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1951 Catalog

A. H. Hummert Seed Co.

2746-48 Chouteau Ave.

Phone: GRand 0646

St. Louis 3, Mo.

Flower and Vegetable Seeds • Summer Flowering Bulbs and Supplies

A. H. HUMMERT SEED CO.

Catalog for 1951

PLEASE NOTE

USE OUR ORDER SHEET. It will be of great help to us in filling your order correctly and speedily, if you will use the Order Sheet sent you with the catalog. **Please Keep a Copy of Your Order.**

NO C.O.D. SHIPMENTS. We advise against C.O.D. orders because of delays and excessively high collection charges. Send remittance with your order. If overpaid, we will refund the difference.

POSTAGE for parcel post shipment. The prices in this catalog except on **flower seeds** are not prepaid. Include sufficient to cover postage with cash orders. Large packages or shipments of considerable weight travel more cheaply by express or truck.

Routing. Please give explicit shipping directions with each order, giving name of freight, express and post office stations. If no directions are given, we will use our best judgment, but all goods travel at purchaser's risk.

IMPOSSIBLE TO GUARANTEE CROPS

Warranty. Although we try our best to please we cannot warrant in any way, expressed or implied, the contents or description, purity, productiveness or any matter of any seeds, bulbs or plants and we will not in any way be responsible for the crop. If the purchaser does not accept these goods on the above terms no sale is made thereof and goods must be returned at once.

Again we say for the business you have sent us we are grateful, and trust we may continue to serve you carefully and promptly.

A. H. HUMMERT.

➡ **Prices in This Catalog Are Subject to Change Without Notice** ⬅

LAWN GRASS SEED

All our Lawn Grasses are re-cleaned and tested for highest quality, purity and germination.

One pound of Lawn Seed will sow 10x30 feet; 75 to 100 pounds to the acre.

Fertilizers for Gardens and Lawns: Vigoro, Vertagreen and Milorganite

ALTA FESCUE

Excellent for roadsides, athletic fields, airports etc.—quite drought resistant—deep root system—quite coarse for lawn purposes. 5 lbs., \$4.50; 25 lbs., \$21.00.

BENT, COLONIAL or HIGHLAND (*Agrostis tenuis*)

An excellent all-around Bent for lawns, greens, parks and playing fields; grows on wide range of soils; spreads mainly by underground root stalks or rhizomes, making a deep reinforced sod. 1/2 lb., 75c; 1 lb., \$1.40; 5 lbs., \$6.50.

BENT, SEASIDE

This is the variety which was first identified in Oregon. It is a hardy creeping variety forming a close, matlike sward. 1/2 lb., 75c; 1 lb., \$1.50; 5 lbs., \$7.00.

BERMUDA

It is of dwarf habit with long creeping stems, rooting at the joint and covering the ground with a matting of fine turf. 1 lb., 50c; 5 lbs., \$2.25.

KENTUCKY BLUE GRASS B-27

A new selection of blue grass of a wider blade and darker green color. Seed stock is very limited. Per lb. \$5.00.

BLUE GRASS, KENTUCKY (*Poa pratensis*)

Fancy extra re-cleaned. Kentucky Blue Grass is largely used for lawns and when once established, lasts indefinitely. An excellent pasture grass. Deep rooting and has an attractive color. For lawns, sow 5 lbs. per 1000 sq. ft. 5 lbs., \$4.45; 10 lbs., \$8.75; 25 lbs., \$20.00; 100-lb. bag, 70c per lb.

BLUE GRASS, KENTUCKY SUPREME BRAND

90 per cent pure. This seed is re-cleaned to the highest purity obtainable. 5 lbs., \$4.75; 10 lbs., \$9.50; 25 lbs., \$22.50; 100-lb. bag, 80c per lb.

CREEPING RED FESCUE

A variety of Fescue; superior to Chewings. This fine-leaved grass

produces a bright green turf, especially well adapted for tree shade. Sow 5 lbs., per 1000 sq. ft. 1 lb., 95c; 3 lbs., \$2.75; 5 lbs., \$4.50; 10 lbs., \$9.00; 25 lbs., \$21.25.

SHADY LAWN MIXTURE

Blended of species that have been proven by test to best survive shaded and adverse conditions. 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$9.00; 25 lbs., \$20.00.

RED TOP, FANCY

Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It is strongly drought resistant. 3 lbs., \$2.15; 10 lbs., \$7.00; 25 lbs., \$16.25.

RYE GRASS, PERENNIAL

A hardy grass of quick growth, suitable for lawns and meadows. 3 lbs., \$1.00; 5 lbs., \$1.50; 10 lbs., \$3.00; 100 lbs., 23.00.

RYE GRASS

Succeeds well on almost any soil, but is particularly adapted to moderately moist lands. 3 lbs., 80c; 5 lbs., \$1.25; 10 lbs., \$2.50.

OUR FINEST LAWN MIXTURE

VELVET LAWN SEED

The finest balanced mixture of the best Kentucky Blue Grass, Fancy Re-cleaned Red Top, small percentage of Rye Grass and White Clover. The best lawn mixture for this climate. 3 lbs., \$2.65; 5 lbs., \$4.25; 10 lbs., \$8.50; 25 lbs., \$19.25; 100-lb. bag, 68c per lb.

WHITE or DUTCH CLOVER FOR LAWNS

A low growing Clover. Very desirable for beautifying the lawn. 1 pound covers 600 square feet. 1/2 lb., 85c; 1 lb., \$1.50; 5 lbs., \$7.00.



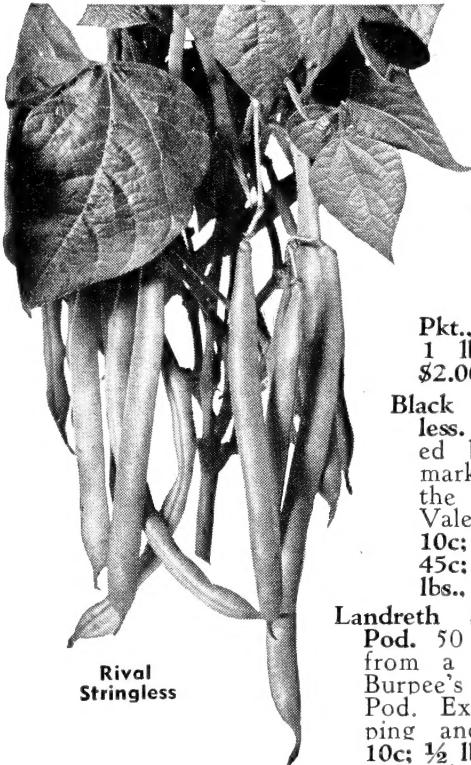
VEGETABLE SEEDS

Prices quoted are subject to change

One of the most profitable spring crops for the greenhouse or hotbed plant is seedling vegetable plants for home gardens. We are offering vegetable seeds only in the best standard varieties for market and home garden. Should you desire any variety not listed, please write.

ASPARAGUS

Mary Washington. (Rust-proof.) Undoubtedly the finest rust-resistant variety grown. Shoots thick; heavy yielder of fine quality. Oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.



Rival Stringless

BEANS

Green podded Varieties. (1 lb. will plant 150 feet.

Bountiful. A familiar variety extensively used by shippers, home and market gardeners. The earliest of the flat pod varieties.

Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50.

Black Valentine Stringless. 52 days. Accepted by shippers and market gardeners as the finest of all the Valentine strains. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50.

Landreth Stringless Green Pod. 50 days. Developed from a selection out of Burpee's Stringless Green Pod. Excellent for shipping and canning. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50.

Rival. A round, green-podded, stringless snap Bean resembling Tendergreen and resistant to Mosaic diseases, maturing in 50 days. Dark green color. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

Tendergreen. 53 days. Leading all purpose round pod bean for market gardeners, shippers and canners. An improved variety. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50.

BUSH WAX BEANS

Pencil Pod Wax. 52 days. The pods average 5 to 6 inches in length; a round-podded wax variety.

Round Pod Kidney Wax. A leader and standard in the wax pods as a canning variety. Has supreme quality.

Above Two Varieties:

Large pkt., 10c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

BUSH LIMA BEANS

Burpee's Improved Bush Lima. 80 days. Grows 10 to 30 inches; handsome large pods. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

Henderson's Bush Lima. 74 days. Produces enormous crops. Small seeded—sure to produce under any conditions. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

Fordhook Bush. 75 days. The outstanding variety for home and market, producing a very heavy crop of large fat pods. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

SOUP BEANS

White Navy. The most widely known and grown of the commercial Beans. Large pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

POLE BEANS

One pound will plant 200 hills.

Kentucky Wonder, Old Homestead. 65 days. Uncolled for home and market garden.

St. Louis Perfection. 70 days. An early maturing, green-podded, white-seeded pole sort, desirable for snaps and unsurpassed in its class as green shell Beans. The pods are round.

Large pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

POLE LIMA BEANS

King of the Garden. 84 days. One of the best pole Limas, large leaved, good climber. Pods about 4½ to 5½ inches long. Large pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

BEETS

1 oz., to 60 ft. row.

Sow seeds as early in the spring as the ground can be worked. For a continuous supply make repeated sowings 3 to 4 weeks apart.

Sow seed in rows 1½ to 2 ft. apart, cover with ½ in. of fine soil.

Early Wonder. 50 days. Earliest and best for early market or home garden. Tops short, flesh dark red. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.

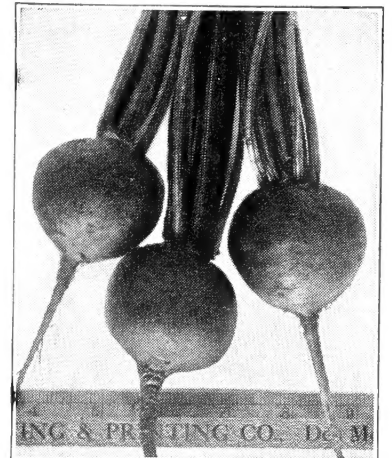
Detroit Dark Red Selected. 55 days. The best all purpose beet. Superb quality, good keeper and should be used for main crop for home or market. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.

Chard Lucullus. 60 days. The most commonly grown. A fine home variety satisfactory also for market use. Pkt., 10c; oz., 15c; ¼ lb., 50c.

MANGEL BEET

Used largely for winter feeding of your stock. Sow seed in early spring in rows 2 to 3 ft., apart; cover with ½ in. of soil.

Mammoth Long Red. Oz., 15c; ¼ lb., 35c; 1 lb., 95c.



Detroit Dark Red Beet



BROCCOLI

(Ounce will produce about 2000 plants)

Italian Green Sprouting Calabrese. 60 days. None better for shippers, home or market. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

BRUSSELS SPROUTS

(Ounce will produce about 3000 plants)

Long Island Improved. 90 days. A fine sort for home or market. Commonly grown as fall, winter or early spring crop. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

CABBAGE

For earliest crop, start seed in hotbed; for medium early Cabbage, seed may be sown in a cold frame or open-ground seedbed in early spring. Sow late Cabbage for winter use in a seedbed outdoors when soil has become thoroughly warm. A packet will produce about 250 plants, an ounce will produce about 2000 plants.



All Seasons. 80 days. Of the flat Dutch type and a first class main crop. The heads are very large and solid. $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

Copenhagen Market. (Select.) 66 days. A very choice strain. Medium-sized heads; compact, good yielder. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Charleston Wakefield. 70 days. Large, heart-shaped, average weight 4 to 5 lbs. For home and market garden. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c.

Detroit. (Yellows Resistant.) Similar to Golden Acre except larger head. It is very uniform, has earliness and is desirable for planting on yellows infested soil. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

Early Dwarf Flat Dutch. 65 days. Heads nearly round, firm, fine flavor and high quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00.

Early Jersey Wakefield. Pointed heads. 62 days. Extremely early variety, very valuable for home and market garden. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00.

Golden Acre. (Select.) 64 days. Round head, short stem. Uniform, firm, especially valuable for early market and shipping. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Marion Market. (Yellows Resistant.) 85 days. This was originally bred up from Copenhagen Market. It takes about 20 days longer to mature. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Premium Late Flat Dutch. 90 days. Good keeper, firm heads of good quality. Dependable. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

SAVOY and RED CABBAGE

Dark Red. 90 days. Best red variety. Good keeper, round hard head. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c.

Savoy Chieftain. 90 days. Best of the Savoy or crinkled leaved sorts. A splendid keeper. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c.

CHINESE CABBAGE

Chinese or Celery Cabbage

Michihli. 70 days. This is a sure heading, vigorous growing lettuce variety with erect, cylindrical pointed heads 18 to 20 inches long. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

COLLARDS

Georgia or Southern. A variety of Cabbage that does not form a head, but produces a mass of leaves. Very hardy and continuous grower. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

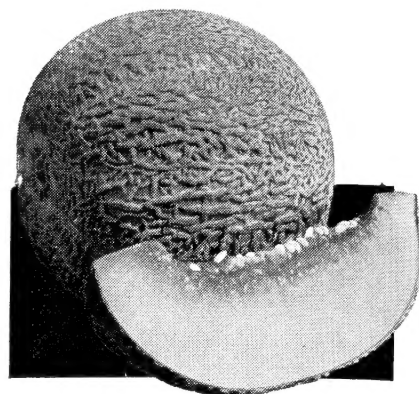
CANTALOUPE

1 oz. plants 50 hills;
2 lbs. to 1 acre.

Plant in May for early crop; in June for late crop.

Hale's Best. 85 days. The most popular and leading Cantaloupe with large shippers and growers. It is a highly refined, extremely early and uniform melon. Small seed cavity and deep salmon color flesh of excellent quality. $5\frac{3}{4}$ inches long, $5\frac{1}{4}$ inches in diameter, or slightly oval. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.60.

Pride of Wisconsin. 90 days. Salmon flesh of unusual thickness. The Melon grows to an average size of 8 inches. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$1.75.

**CARROTS**

1 oz. will sow
100 feet of row.

Sow the early sorts in March and April, in drills 1 inch deep and 14 inches apart; thin out to 2 inches. For main crop sow in May or beginning of June. A rich, mellow, deeply worked soil gives the finest Carrots.

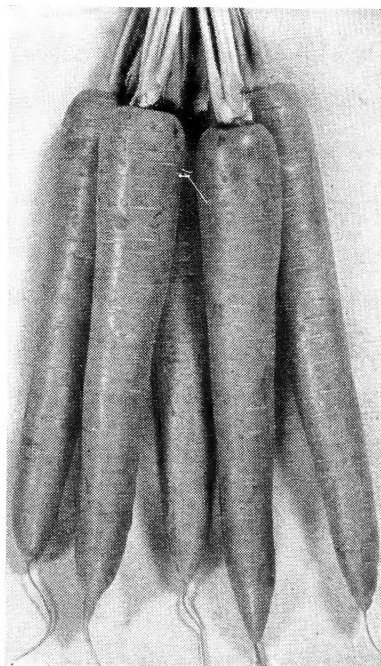
Chantenay. 70 days.

Roots about 5 to 6 inches in length, 2 to $2\frac{1}{2}$ inches thick at the crown, smooth and tapering. Color deep orange-red. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.75.

Chantenay, Long

Type. A longer, slimmer strain of Chantenay which can be used for bunching. Tops slightly shorter than Chantenay, but more compact. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.75.

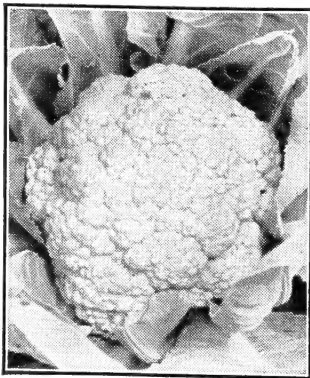
Danvers Half Long. 75 days. Well-known main-crop or late Carrot of great uniformity. The deep orange-red roots are 7 to $7\frac{1}{2}$ in. long and 2 to $2\frac{1}{2}$ in. in diameter, tapering gradually toward the blunt end. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.75.

**CAULIFLOWER**

Packet will produce 200 plants; ounce 2000 plants.

Super Snowball. Finest quality, 65 days. Well-adapted for use under a wide range of conditions. Heads large, firm and pure white, and well protected by inner leaves. Pkt., 20c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; 1 oz., \$1.75.

Early Snowball. 54 days. Unquestionably the earliest maturing strain of short leaf type of Cauliflower. It is well adapted for forcing or winter use for early crop and is one of the most popular. Pkt., 20c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; oz., \$1.75.



CELERY

1 packet will produce 300 plants.

Giant Pascal. 140 days. The standard late, green Celery of excellent quality. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.25.

Golden Self Blanching. Select. 85 days. Early and very desirable for home and market garden. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.50.

Celeriac. Turnip rooted. 120 days. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.25.

CORN SALAD

Large Leaved. Sometimes called Lamb's Lettuce. An extremely hardy type plant that forms rosettes of tender leaves which are used as a substitute for Lettuce and mixing with salads. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.

SWEET CORN

1 pkt. plants 40 hills; 1 lb., 250 hills; 15 lbs. to acre.

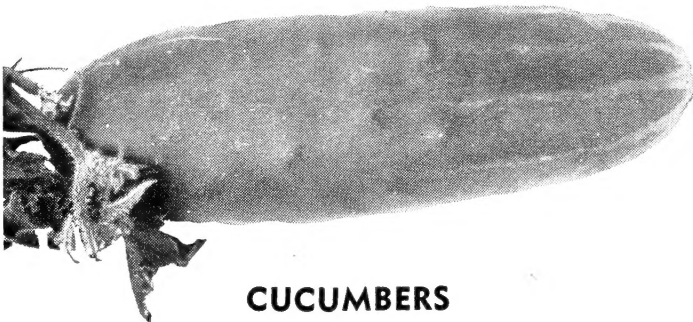
Plant seed after all danger of frost has passed and the soil has become thoroughly warm.

Golden Cross Hybrid. 85 days. Bred for wilt resistance, high yield and superlative quality. Grows 7 to 8 ft. high. Fine ears with 10 to 14 rows of light golden kernels. Pkt., 15c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.50.

Corneli's Gold Rush Hybrid. First early, golden yellow hybrid. Stalks 6 ft. tall, produces an average of 2 ears per stalk, ears 8½ in. long, 12 to 14 rows slightly tapered, well filled to tip. Attractive yellow; sweet and tender. Pkt., 15c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.50.

Evergreen Hybrid. 86 days. An excellent hybrid of the Stowell's Evergreen type, noted for its uniformity and increased yield. Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.75.

Country Gentleman Hybrid. About 95 days. The grain is small, and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 15c; ½ lb., 35c; lb., 65c; 5 lbs., \$3.00.

**CUCUMBERS**

Do not plant Cucumbers before danger of frost has passed, as the plants are very tender and the least frost will damage or kill them. Plant in hills or rows 4 feet apart. For pickles, plant from June first to middle of July. ½ oz. to 25 hills; 2 lbs. to 1 acre.

Stav Green. 64 days. Fruits rich dark green, retaining their color long after picking. 7 to 8 inches long, 2¾ inches thick. Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$1.75.

Davis Perfect. 60 days. A very fine Cucumber. Beautiful dark green color. Fruits 8 to 10 inches long, tapering at both ends, solid flesh, few seeds. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

Long Green Improved. 70 days. The fruits are very long, often 12 to 15 inches when mature, yellow when ripe. Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$1.75.

Straight Eight. 64 days. This White Spine variety typifies its name, running quite straight, regularly 8 inches long and 2 inches in diameter. Color dark green. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$1.75.

Snow's Perfection Pickling. 60 days. Is grown almost exclusively for pickling and is ideal for that purpose. It produces fruits of pickling size in 47 to 50 days. Pkt., 10c oz., 20c; ¼ lb., 60c; lb., \$1.50.

BURPEE HYBRID CUCUMBER

Its remarkably high resistance to disease makes it an excellent variety where downy mildew and mosaic are a problem. Vines are vigorous and bear an abundance of shapely green fruits, averaging 8 inches in length and 2½ inches wide. Pkt., 30c.

EGGPLANT

Sow seed in hotbeds early in spring and transplant to the open after all danger of frost is over, 2 feet each way; cultivate frequently.

Black Beauty. 80 days. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

ENDIVE

1 oz. of seed for 50 ft. of row.

It may be grown at any season but is more generally planted for fall.

Broad-Leaved White or Escarolle. 92 days. A distinctly improved form of Broad-Leaved Endive. Plant medium large with deep, full, well-blanching heart of infolded broad leaves. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Green Curled. 95 days. The leaves of this variety are finely divided, giving a mossy appearance. Pkt., 10c; oz., 20c; ¼ lb., 60c.

HERB SEEDS

Every kitchen garden should have some of the popular herbs.

Anise. The leaves are finely fringed; used in garnishing and flavoring. Pkt., 10c; ½ oz., 25c.

Basil. Leaves are used for aromatic seasoning. Pkt., 10c; ½ oz., 30c.

Caraway. The roots are eaten as a vegetable, the leaves for garnish and in salads, and the seeds are much used in confectionery. Pkt., 10c; ½ oz., 25c; oz., 45c.

Cress, Curled Garden (Peppergrass). Quick-growing, finely curled deep green foliage. Pkt., 10c; ½ oz., 25c; oz., 45c.

Dill. Leaves and seed used for flavoring in dill pickles, soups and sauces. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Sage. (Perennial.) Dried leaves much used for seasoning in dressings; the most popular of all herbs. Pkt., 10c; ½ oz., 20c; oz., 35c.

Summer Savory. Dried leaves and flowers are used for flavoring soups and dressings. Pkt., 15c; ½ oz., 30c.

Thyme. (Perennial.) The leaves and shoots are used for seasoning and flavoring sausage and other meats. Pkt., 15c; ½ oz., 50c.

KALE

Siberian. 40 days. Very hardy and improved by moderate frost. Sow in May or June. Makes excellent greens, tender and fine flavor. Oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

Dwarf Green Curled Scotch. 55 days. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

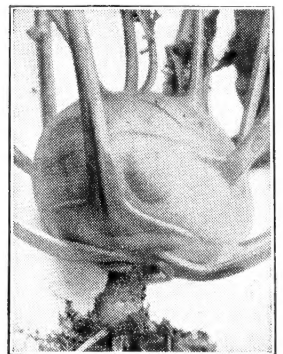
KOHLRABI

1 oz. of seed will produce from 3000 plants.

For early use sow in hotbeds and transplant. Out-of-doors sow in open ground the first part of April in rows 18 inches apart; thin out.

Earliest White Vienna. 55 days. Greenish white outside, with clear white flesh within, fine quality. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c; lb., \$2.50.

Earliest Purple Vienna. Same in every respect except in color. Pkt., 10c; ½ oz., 20c; oz., 30c.



LEEK

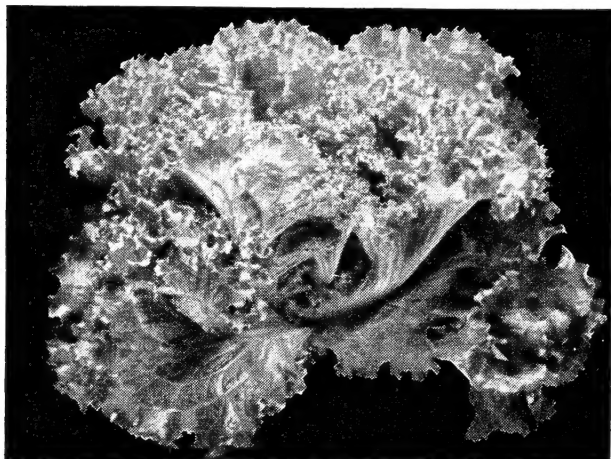
The long, thick, blanched neck is desirable for soups, stews, or creamed. It belongs to the Onion family.

Large London Flag. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

LETTUCE

1 oz. will produce 3000 plants.

Lettuce seed should be sown very early in the spring and at intervals of 15 days for a succession; sow the seed in shallow drills, being careful to firm the soil over the seed and thin to 4 inches in row.



Black-Seeded Simpson

EARLY CURLED VARIETIES

Early Curled Simpson. 45 days. The standard loose-headed variety. Earlier than the heading sorts. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.75.

Black-Seeded Simpson. 45 days. Easily grown, especially recommended for spring and early summer use. The leaves are large, yellowish green, fringed and crumpled. The inner leaves are almost white. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.75.

Grand Rapids. 45 days. Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$1.90.

Prize Head. 40 days. Forms a very large loose head, slightly tinged brown. Pkt., 10c; oz., 25c; ¼ lb., 75c.

HEADING VARIETIES

Big Boston. 70 days. Especially valuable for summer and fall use out-of-doors. It is a butter-head type with glossy leaves tinged brown. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$1.75.

Bibb Lettuce. A loose waxy head variety with very deep green outer leaves, bleaching to a rich yellowish green inside. Heads medium size, unusually crisp and tender, and of a distinct flavor. Very popular for family gardens. Pkt., 10c; oz., 25c; ¼ lb., 90c.

Great Lakes. 75 days. Iceberg type, bred to make tight heads in hot weather. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.

New York or Wonderful. A decidedly crisp, Cabbage-heading variety. Very large, rooting deeply, resisting hot, dry weather, slow to run to seed. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.

Oakleaf. Noted for its ability to withstand hot weather without turning bitter. Leaves are smooth and lobed to resemble the leaf of an oak tree, deep green and tender. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.

MUSTARD

1 oz. will sow 40 ft.

Mustard greens are as healthful and nourishing as Spinach.



Chinese Broad-Leaved. The leaves are broad, smooth and often 12 inches long. Color deep green. Oz., 10c; ¼ lb., 35c; 1 lb., 90c.

Southern Giant Curled (Long Standing). 30 days. The leaves of this variety are closely curled and finely fringed. A little slower growing than the frilled varieties but longer standing. 1 oz., 10c; ¼ lb., 35c; 1 lb., 75c; 5 lbs., \$3.50.

OKRA or GUMBO

Okra pods are used in soups, stews, catsup and other relishes. They are at their best when 1 to 3 inches long.

Dwarf Green Prolific. 65 days. Low, stocky and productive, with long pods. Oz., 10c; ¼ lb., 35c; lb., 90c.

ONION

1 oz. will sow 100 ft. of row.

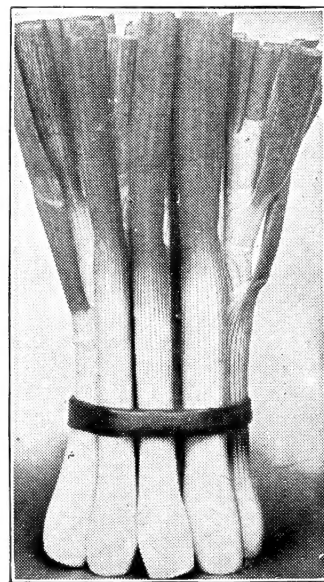
One of the most nutritious and healthful of vegetables.

White Lisbon. A bunching variety, grown for its very long, pure white stems; long standing, tender and of delicate flavor. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50.

Southport White Globe. 110 days. This variety yields abundantly, producing medium to large, fine shaped clear white bulbs. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

Sweet Spanish. (Utah Strain.) 110 days. A very large globe-shaped, light yellow Onion with small top and an exceptionally fine shipper. Very mild, sweet flavor. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

White Portugal or Silver Skin. 100 days. The main variety used for producing white sets. Fine for pickles. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 90c; 1 lb., \$3.00.

**PARSLEY**

1 oz. sows 150 ft. of drill.

Double Curled. The best green curled. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

Hamburg Edible Rooted. 90 days. Forms a short thick parsnip-like root used in flavoring soups, etc., Leaves are also useful. Pkt., 10c; oz., 20c; ¼ lb., 65c.

PARSNIP

1 oz. for 100-ft. row, 5 lbs. per acre.

General culture for Parsnips is the same as for Beets.

Hollow Crown. 95 days. This is the most popular and best variety in cultivation. The skin is smooth and the flesh tender. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.25.

PEAS

1 lb. is enough for 100 ft. of row.



Alaska-Ameer Mammoth Pod. The seed being smooth, it can be planted as early as any of the extra earlies. It is very prolific; pods of a rich dark green color. Vine about 30 inches high. Matures in about 56 days. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50.

Laxton's Progress. 62 days. The earliest of the large-podded dwarf Peas. Pods 4½ inches long, containing 7 to 9 dark green Peas, 18 inches tall. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75; 15 lbs., \$4.50.

Little Marvel. 63 days. A leading variety of wrinkle-seeded. Grows 18 inches high. Pods average 3 inches, well filled with 7 or 8 large, deep green Peas. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

PEPPER

1 oz. will produce 2000 plants.

Seed should be sown in a hotbed or in a shallow box in a warm place in the house, allowing 8 to 10 weeks to produce plants large enough to set outdoors.

Bell or Bull Nose. 65 days. An early sweet Pepper. Large, bright red, thick flesh. Pkt., 10c; ½ oz., 25c; 1 oz., 45c; ¼ lb., \$1.50; 1 lb., \$5.50.

California Wonder. 74 days. The standard of perfection among sweet Peppers, and the most popular sort. Excellent for all purposes. Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75; 1 lb., \$6.00.

Chinese Giant. 80 days. The giant among Peppers. Attractive. Size and mild flavor. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

Hungarian Wax. 60 days. Important canning variety. early, hardy, prolific. Bears pendent and upright yellow hot fruits. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

King of the North or Ruby Giant. 60 days. The best early large Pepper. The fruits are large and color a brilliant red. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.50.

Pimiento. 73 days. The shape is distinctly conical, medium size. Color, when young, is a glossy green turning ruby-red when ripe. Pkt., 10c; ½ oz., 30c; 1 oz., 45c; ¼ lb., \$1.50.

PEPPER—Continued

Sweet Yellow or Banana. (60 days.) Probably the largest, earliest and sweetest of all yellow Peppers. It is Banana-shaped, averaging about 6 inches in length and 2 inches in diameter. Light yellow in color. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

PEPPER—SMALL FRUITED VARIETIES

Long Red Cayenne. The fruit is 4 inches long and 1 inch thick, twisted and pointed. The flesh is strong and pungent. Recommended for drying. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.50.

Red Chili. Bright red when ripe and are very hot or pungent. Used extensively for pepper sauces, pickling and drying. 2½ inches long, ⅜ inch in diameter. Pkt., 10c; ½ oz., 25c; 1 oz., 50c.

PUMPKINS

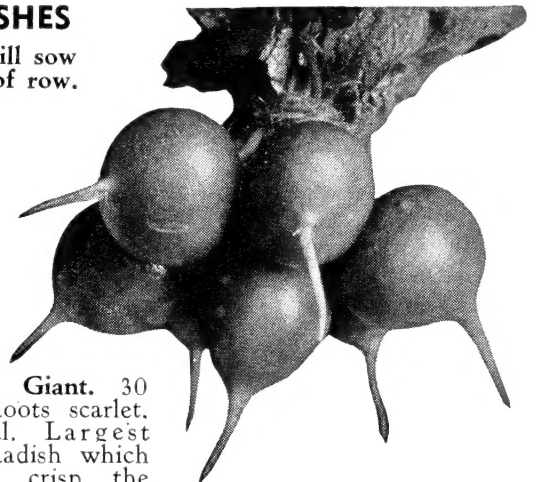
(Ounce will make about 20 hills)

Kentucky Field. 100 days. Standard large Pumpkin for canning and for stock feed. Oz., 10c; ¼ lb., 30c; 1 lb., 75c.

Small Sugar. 100 days. Round, slightly ribbed fruits of medium size, about 7 in. in diameter. Best Pumpkin for general use; good keepers. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.

RADISHES

1 oz., will sow
100 ft. of row.



Crimson Giant. 30 days. Roots scarlet, spherical. Largest early Radish which remains crisp the longest. Oz., 10c; ¼ lb., 35c; 1 lb., 80c.

Scarlet Turnip White Tipped or Sparkler. Something extra fine. 23 days. The lower half is white, the upper half bright scarlet. Oz., 10c; ¼ lb., 35c; 1 lb., 80c; 5 lbs., \$3.50.

Scarlet Globe. (Selected Stock.) 23 days. The interior of the root is pure white, mild, crisp and fine grained. Recommended for market garden or forcing. Oz., 10c; ¼ lb., 35c; 1 lb., 80c; 5 lbs., \$3.50.

Icicle. 35 days. A magnificent white variety. Grows 3½ to 4 inches long. Oz., 10c; ¼ lb., 35c; 1 lb., 80c; 5 lbs., \$3.50.

WINTER RADISHES

Rose-Colored China. Extremely solid and a most excellent keeping variety. Oz., 10c; ¼ lb., 35c; 1 lb., 90c.

Round Black Spanish. Skin black, flesh white. A fine keeper. Oz., 10c; ¼ lb., 35c; 1 lb., 90c.

California White Mammoth. The best white Radish for late fall planting. Oz., 10c; ¼ lb., 35c; 1 lb., 90c.

RHUBARB or PIE PLANT

Myatt's Victoria. A splendid early sort. Stalks are large, very thick, of rich red color, and almost stringless. Oz., 25c; ¼ lb., 75c; 1 lb., \$2.25.

Rhubarb Roots Available in March.
Strong Roots, each 20c; doz., \$2.25.

RUTABAGAS

American Purple Top. A hardy productive variety; roots are large, globular in form, with a very small tap root; color, bright yellow with a purple top. Oz., 10c; ¼ lb., 35c; 1 lb., 90c.

SALSIFY

Often called "Oyster Plant" and is easily grown.

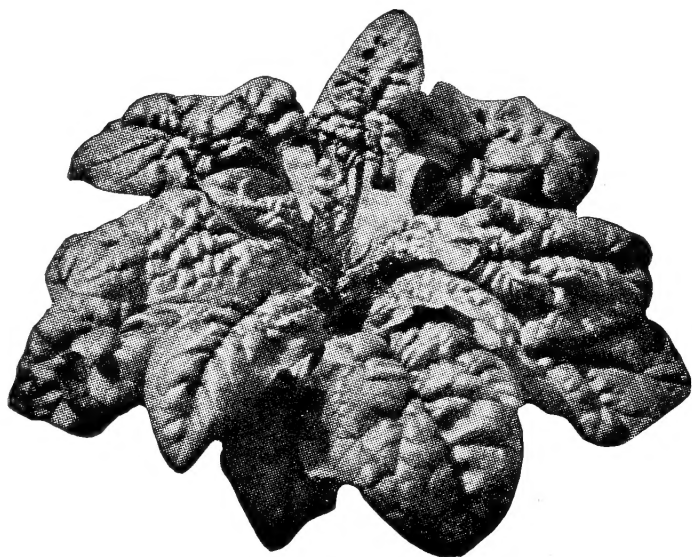
Sow in April in rows 18 inches apart, thinning out to 4 to 6 inches. Cultivate deeply and often.

Mammoth Sandwich Island. This variety is uniform in growth. The roots are of superior quality and most delicate flavor. Pkt., 10c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 75c; 1 lb., \$2.75.

SPINACH

1 oz. to 30 or 35 ft. of drill.

Sow early in spring. Spinach is high on the list of health-giving and body-building vegetables. Grow more and eat more. It is essentially a spring and autumn crop.



Bloomsdale Spinach

Bloomsdale Long Standing. 45 days. An outstanding strain of the Savoy Leaved Spinach. Much in demand for home and market gardens. It is slow to run to seed. Oz., 10c; ¼ lb., 25c; lb., 60c; 10 lbs., \$4.25.

New Zealand. Not really a true Spinach. Will thrive in poor soil and hot weather. A continuous producer of greens. Difficult to germinate. Pkt., 10c; oz., 15c; ¼ lb., 40c.

SQUASH

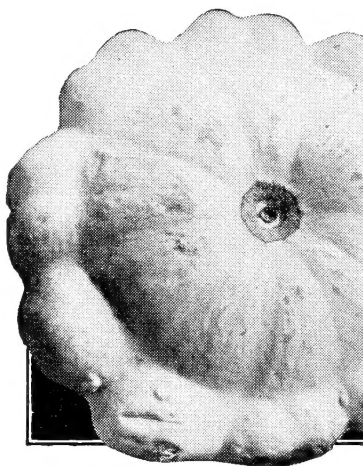
1 oz. will plant 20 hills; 2 lbs. an acre.

Do not plant until all danger of frost is over.

Acorn or Table Queen. (60 days.) This unique winter Squash has already won favor. Just the right size to cut in half (when it will bake in 20 minutes) and serve individually. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.50.

Early Prolific Straightneck Yellow. 50 days. Considered the most valuable and promising of all summer squash. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.

Gray Zucchini. 60 days. When matured it is 18 inches long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.50.



Mammoth White Bush Squash

dry. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

Yellow Summer Crookneck. 55 days. Our strain produces fruit nearly double the size of the old "Crookneck." Pkt., 10c; oz., 20c; ¼ lbs., 60c; lb., \$1.60.

SWISS CHARD

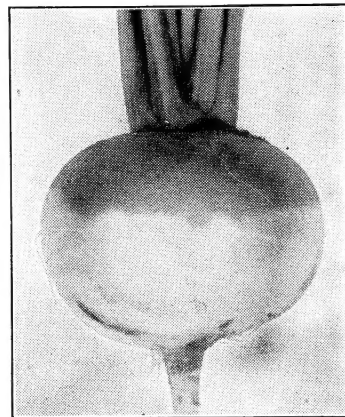
Lucullus. 60 days. Large leaves are wrinkled, with thick midribs, tender and of good flavor. Large pkt., 10c; oz., 15c; ¼ lb., 50c.

TURNIPS

(Ounce will sow 300 ft. of row.)

Purple Top White Globe. Roots globular, smooth; bright purplish red above, white below. Flesh white, firm, fine grained and tender. Oz., 10c; ¼ lb., 35c; 1 lb., 90c; 10 lbs., \$7.50.

Seven Top, for Turnip Greens. A foliage turnip for table and forage use. Crown sends up numerous leafy shoots which are excellent for greens. Oz., 10c; ¼ lb., 30c; 1 lb., 75c.



Purple-Top White Globe Turnip

WATERMELON

1 oz. for 20 hills; 3 to 4 pounds per acre.

Black Diamond. 95 days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular variety. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$2.50.

Kleckley's Sweet. 95 days. This is considered the sweetest of the large melons. Particularly adapted for home garden.

Stone Mountain (or Dixie Belle). 110 days. Rich dark green in color with scarlet flesh that is exceptionally sweet.

Tom Watson. 110 days. The rind is dark blue-green; the flesh is deep red and very sweet.

Above 3 varieties: Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.60.

TOMATOES

1 oz. will produce about 1000 plants.

Tomatoes should be in every garden. It is quite simple to grow your own plants. Sow the seed in a hotbed, or in a shallow box in the house, allowing 6 to 8 weeks to produce plants large enough for setting outdoors when weather becomes warm.



Marglobe, Certified

Burpee Hybrid Tomato. An excellent, all-purpose main crop Tomato producing a high yield of firm, thick-walled fruit that averages 8 ozs. in weight. They are deep globular in shape, holding the vine well. Pkt., 35c.

Bonny Best. 75 days. One of the most prolific of the early Tomatoes. Medium size, solid, bright red. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50; 1 lb., \$5.50.

Break O' Day, Certified. Wilt resistant. 85 days. Vines vigorous and very productive. An early scarlet fruited variety. Medium to large size and globe-shaped. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75; 1 lb., \$6.00.

Crimson Cushion or Beefsteak. 98 days. Late, red, very large. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50.

Earliana. Very early—particularly valuable for home and early market garden. Medium size, deep scarlet. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50; 1 lb., \$5.50.

Firesteel. 62 days. A small vine, large fruited Tomato that is early, smooth, red through, of semi-acid flavor. For dry seasons there is nothing equal to it. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

Greater Baltimore, Certified. The leading canning and juice Tomato. Noted for its deep red color throughout, ripens evenly over entire surface. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; 1 lb., \$5.00.

Grothen's Globe, Certified. A much improved type over Break O' Day. It is wilt resistant, produces large deep fruits of full red color. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75; 1 lb., \$6.00.

Henderson's Winsall. Is very meaty, the entire fruit being edible, tender and delicious, and remarkable for an almost entire absence of seeds. Color bright pinkish red. Pkt., 25c; ¼ oz., \$1.00; ½ oz., \$2.00; oz., \$3.50.

Jubilee. New orange colored. Non-acid, meaty, recommended. Pkt., 15c; ½ oz., 35c; oz., 60c.

Livingston's Globe, Certified. 85 days. A large, purplish pink, globe-shaped or very nearly round Tomato of excellent quality. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75; 1 lb., \$6.00.

Marglobe, Certified. 85 days. Of fine appearance, and great productiveness. In color it is a most beautiful scarlet, ripening well up to the stem. The "Marglobe" has proven resistant to wilt. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50; 1 lb., \$5.50.

Marhio. A wilt-resistant pink Marglobe. An introduction from the Ohio Experiment Station, popular as a variety for greenhouse forcing, market and home gardening use. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

Michigan Forcing. Developed especially for growing under glass. A heavy producer of medium sized fruit. Pkt., 25c; ¼ oz., 40c; oz., \$1.25.

Oxheart. 90 days. Extra large, heart-shaped, few seeds, mild flavor. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.75.

Ponderosa. 85 days. Extremely large; purplish pink, few seeds, mild flavor. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.25.

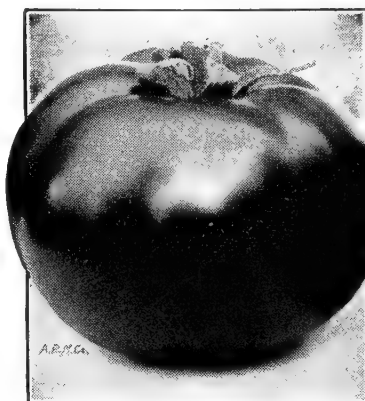
Pritchard, Certified. (Scarlet Topper Certified.) 90 days. Fine all-round variety, heavy yielder; second early; wilt-resistant; fruit solid. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

Rutgers, Certified. 85 days. Desirable for market gardeners; bright red, smooth, thick walls—firm and mild. Does well even at a low fertility level. Favorite in sandy soil. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50; 1 lb., \$5.50.

Stokesdale, Certified. 75 days. Early, suitable for shipping. Fruits uniform, deep scarlet; globe shape. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50; 1 lb., \$5.50.

Stone Improved. Valuable for market and canning; heavy producer; deep scarlet. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50.

Valiant. 90 days. A new variety destined to replace Earliana. Vines are sparse and open and will produce a large crop. Fruits scarlet, large globe-shaped. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75; 1 lb., \$6.00.



Rutgers, Certified

PICKLING or PRESERVING TOMATOES

Red Cherry. Used for preserving and pickling. Fruit small, round and deep red.

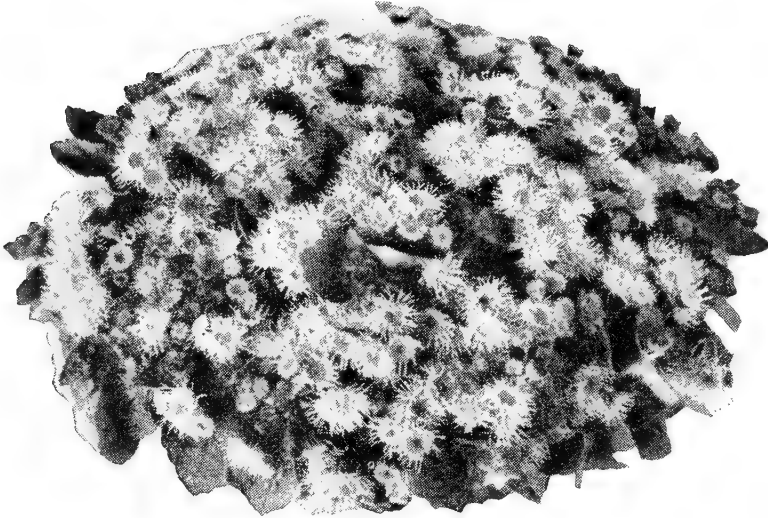
Yellow Plum. Fruits plum-shaped, clear yellow color.

Either above: Pkt., 10c; ½ oz., 30c; 1 oz., 50c.

Selected Flower Seeds

AGERATUM, MEXICANUM

	Tr. pkt.	1/8 oz.
Blue Cap. 4 in. Dwarf, compact. True blue flowers. Very uniform	\$0.30	\$0.50
Blue Ball Improved. 6 to 10 in. Large flowered strain .....	.30	.60
Midget Blue. Fine dwarf, compact, rich blue .....	.35	.75



Ageratum, Midget Blue

ALYSSUM

	Tr. pkt.	Oz.
Carpet of Snow. The best extra dwarf strain we know of 1/4 oz., 25c	\$0.20	\$0.90
Little Gem. 6 inches. White, good even stock	1/4 oz., 30c	.20 1.00
Violet Queen. Bright violet, dwarf, compact, fine for bedding and borders ..	1/4 oz., 35c	.25 1.25
Lilac Queen. New variety, compact, good color, lavender-lilac 1/4 oz., 30c	.20	.90

ALYSSUM (Perennial)

	Tr. pkt.	Oz.
Saxatile Compactum (Basket of Gold.) An indispensable plant for the rockery or border, growing 1 foot high and producing in May masses of broad, flat heads of bright yellow flowers.	1/4 oz., 35c	\$0.20 \$1.00



Amaranthus Tricolor

AMARANTHUS

Tricolor (Joseph's Coat). 2 1/2 ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Tr. pkt., \$0.20; 1/4 oz., \$0.35.

ANCHUSA

(Annual)

	Tr. pkt.	1/4 oz.
Blue Bird. Attractive deep Forget-Me-Not-blue flowers. 18 in.	1 oz., 85c	\$0.15 \$0.25

ANCHUSA (Perennial)

	Tr. pkt.	1/8 oz.
Myosotidiflora. A distinct dwarf species, 10 inches high, producing during April and May sprays of Forget-Me-Not-blue flowers. Excellent for the rock garden.	\$0.40	\$0.90

ANTHEMIS - Marguerite (Perennial)

	Tr. pkt.	1/4 oz.
Kelwayi. A most satisfactory hardy perennial bearing daisy-like, golden yellow blossoms; excellent for cutting	\$0.20	\$0.35

AQUILEGIA - Columbine (Perennial)

Long-Spurred Columbine

The plants are of strong, thrifty growth, with flowers of largest size, varying in color through tones of cream, pink, lavender, blue, white, red, etc. Tr. pkt. 1/4 oz.

Mrs. Scott Elliott's Hybrids. An excellent and popular long-spurred mixture....	1/8 oz., 60c..	\$0.35 \$1.00
Blue Shades. A very fine strain of light and dark blue shades	1/8 oz., 65c..	.35 1.15
Copper Queen. Copper-red and straw corolla	1/8 oz., 65c..	.35 1.15
Crimson Star. Crimson, the center white	1/8 oz., \$1.25..	.40 2.25
Orange and Scarlet Shades. Contains fine shades of orange-scarlet..	1/8 oz., 65c..	.30 1.15
Rose Queen. Pink shades, long spurs. 2 1/2 ft.	1/8 oz., 60c..	.35 1.00
Snow Queen. 18 in. Finest pure white variety	1/8 oz., 60c..	.30 1.00



Aquilegia, Long-Spurred Hybrid

ARABIS - Rock Cress (Perennial)

	Tr. pkt.	1/8 oz.
Snow Cap. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears	\$0.30	\$0.60

ARMERIA - Sea Pink; Thrift (Perennial)

	Tr. pkt.	1/8 oz.
Formosa hybrida. Heads of rosy pink flowers. Useful for edging or rockery.	\$0.35	\$0.75

ASPARAGUS

	250 seeds	1000 seeds
Carefully harvested, hand-picked, plump, well-matured seed.		
Plumosus	\$0.75	\$2.25
Sprengeri .....	.70	2.00

SNAPS for Greenhouse Forcing

Snapdragon being one of the leading Florists' Greenhouse crops.
HYBRIDS MARKED (*). The following are in originator's packages:

	Tr. pkt.
Ball Red (Hybrid No. 7) Rich scarlet-crimson	\$3.00
Ball Yellow Hybrid No. 1. Best yellow.	
½ tr. pkt., \$1.75	3.00
Barbara (Yoder). Large florets with bright bronze lips, pink throat. Very early	3.00
Better Times. Bright rose-pink. Early	2.00
Carol Jean. Shade lighter than Ethel	2.00
*Christmas Cheer. The best early pink. Easy to grow, sure to bloom, pleasing color.	3.00
*Christina (Yoder). Light pink	3.00
Delworth's Supreme. Strong stems, deep rose-pink	1.50
*Dorcas Jane (Dorcas). Brilliant rose-pink hybrid	2.50
Ethel. Large, bright yellow flower	1.50
Gilbert's Pink. Medium early	1.50
Glorious. Deep bronze, shaded scarlet	1.50
*Goldrush. Fine new early yellow	3.00
Jubilee. An early hybrid, light apricot-bronze	3.00
Junglewood Lemon. A cream or lemon	2.00
Junglewood White. Deep green foliage; tall	2.00
Junglewood Yellow. Large, rich yellow flower	2.00
Koester's White. It is early and a strong grower	1.50
Lady Dorothy. Bronze, shaded copper-red. Early	3.00
Madeline (Stoecker). Pure white. A fine white	1.50
Margaret. Is a winter-blooming ivory-white	2.00
*Mary Ellen (Yoder.) Is a light rose-pink	2.00

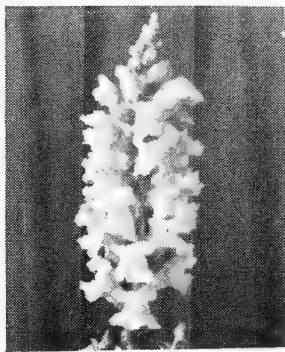
	Tr. pkt.
*Maryland Pink. Early, light pastel pink. Large flowers	\$3.00
Patricia (Yoder). Deep yellow hybrid. Early	3.00
Peggy Schumann. A fine rose-pink, excellent	2.00
Rockwood Pink Supreme. Fairly deep, bright rose-pink	2.00
*Schumann's Velvet Red. Is a true red velvet	3.00
Schumann's Lavender. A true color	2.00
Schumann's Yellow. Early yellow	2.00
St. Louis Pink. (Rowe). Beautiful silvery-pink	1.50
Talisman. Improved early, all-double, bronze	1.50
Yellow Wonder. Early clear deep yellow	1.50

STANDARD GREENHOUSE VARIETIES

Not in originator's packages.

Afterglow. Deep golden-bronze, medium early	\$1.00
Bertha Baur. Good lavender	1.00
Ceylon Court Dark. Early yellow	1.00
Cheviot Maid Supreme. Best early clear rose-pink	1.00
Coates' Yellow Perfection. A fine deep yellow	1.00
Lucky Strike. Best white medium early	1.00
Rose Queen. Fine deep rose, medium early	1.00
Velvet Beauty. Rich-American-Beauty-red in color.	1.00
Greenhouse Varieties. Mixed. A good mixture	.75

ANTIRRHINUM or SNAPDRAGON



Antirrhinum Tetra Snap

Giant Ruffled Tetraploid Tetra. 2½ ft. The most satisfactory outdoor Snapdragon. Being a tetraploid, it is a vigorous grower, almost never crippled with rust, and these big husky plants sell quickly from flats. Florets are huge, mostly ruffled, and stay on the stem so that 12 inch flower spikes are usual.

U.S.D.A. No. 6. Deep salmon-pink with white tube.

U.S.D.A. No. 10. Brilliant rose-florets of pure color.

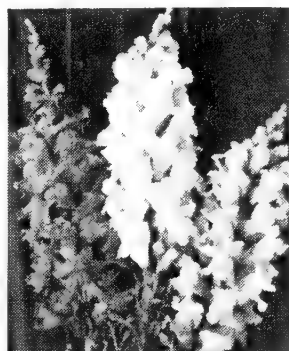
U.S.D.A. No. 11. Typically huge florets of the Tetra type, solid, rich, clear rose.

Tetra Orchid. Rich orchid-purple with yellow blotch.

Tetra Yellow. A new tall, base-branching clear yellow.

Mixed Colors. Dense spikes of immense flowers in a mixture.

Tr. pkt., 40c; 1/16 oz., 75c; 1/8 oz., \$1.25.



Antirrhinum Tetra Mixed

Super Majestic. Rust resistant, 20 in.

A medium tall class of base branching plants with heavy compact spikes of large blooms. Excellent for both garden and cut flowers.

Alaska. White.

Autumn Glow. Amber and gold.

Dainty. Soft rose.

DuBarry. Flaming salmon-rose.

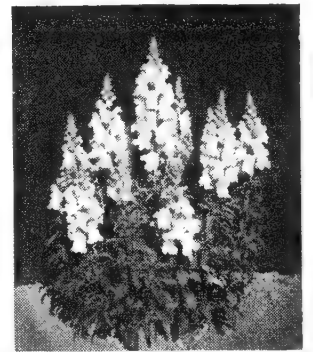
Eldorado, golden yellow.

Red Rocket. Bright red.

Rose Sensation. Rose-pink.

Wild Fire. Bright orange-scarlet.

Super Majestic Mixed.



Super Majestic

Prices on above:
Each: Tr. pkt., 30c; 1/8 oz., 50c; 1/4 oz., 95c.

Maximum or Super Giants

Rust-Resistant. 2¾ feet.

In habit these are taller than the Majus group, and the individual flowers are much larger. Fine for cutting.

Campfire. Luminous scarlet.

Canary Bird. Canary-yellow.

Copper Queen. A real true copper-scarlet.

Crimson King. Fiery crimson.

Loveliness. Soft rose-pink.

Paradise Rose. Rose-pink.

Red Cross. Crimson, white tube.

Rosalie. A rich deep rose.

Shasta. Pure white.

Yellow Giant. Deep yellow.

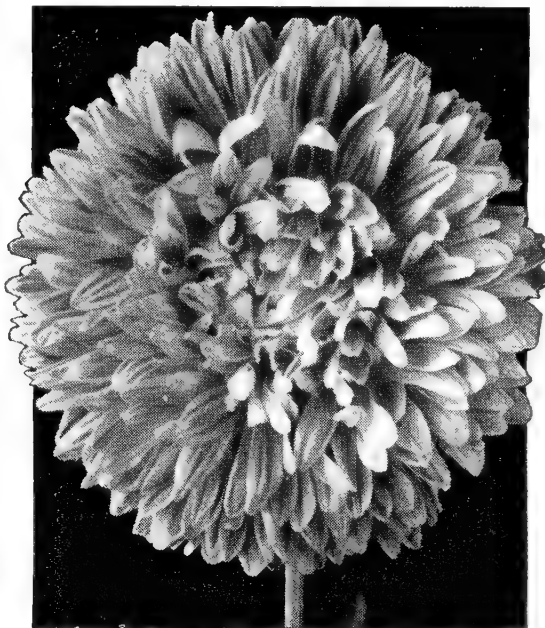
Maximum Mixed.

University of California Improved Mixed. 30 in. Excellent for cutting.

Prices on the above varieties:
Each: Tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 85c.

ASTERS, Bodger's Wilt Resistant

Asters are now one of the most profitable cut flowers, whose culture has been greatly simplified by the introduction of Wilt-Resistant varieties.



Early Royal

Early Royal

Wilt Resistant, 2 feet

Blooms mid-July, directly following the Queen of the Markets.	Tr. pkt.	1/4 oz.	Oz.
Azure Blue or Dark Lavender ..	\$0.30	\$0.50	\$1.75
Coppery Rose .....	.30	.50	1.75
Deep Rose. Taller .....	.30	.50	1.75
Purple. Deep purple .....	.30	.50	1.75
Shell-Pink .....	.30	.50	1.75
Scarlet .....	.30	.50	1.75
White .....	.30	.50	1.75
Finest Mixed .....	.25	.45	1.60

Queen of the Market

They are most useful for early market, about 20 in., good for cutting. Of branching habit. Blooming in July-August. Wilt resistant.

	Tr. pkt.	1/4 oz.	Oz.
Azure Blue	\$0.30	\$0.50	\$1.75
Ballet Queen. Salmon-rose .....	.30	.50	1.75
Crimson .....	.30	.50	1.75
Dark Blue .....	.30	.50	1.75
Flesh Pink .....	.30	.50	1.75
Light Blue. Medium blue .....	.30	.50	1.75
Rose. Soft rose .....	.30	.50	1.75
White .....	.30	.50	1.75
Finest Mixed .....	.25	.40	1.60

Giant Crego Improved (Incurved)

Wilt Resistant. 2 1/2 feet

Twisted and curled petals. Flowers of good size.

	Tr. pkt.	1/4 oz.	Oz.
Azure Blue	\$0.30	\$0.50	\$1.65
Blue Flame. Bright navy blue ...	.30	.50	1.65
Crimson .....	.30	.50	1.65
Deep Rose. Bright rose .....	.30	.50	1.65
Light Blue .....	.30	.50	1.65
Pink. Shell-pink .....	.30	.50	1.65
Purple or Dark Blue .....	.30	.50	1.65
White .....	.30	.50	1.65
Finest Mixed .....	.25	.40	1.55

ASTERS, SINGLE CHINENSIS

Plant 1 1/2 to 2 feet tall, flowers Daisy-like, petals wide and closely placed.

	Tr. pkt.	1/4 oz.
Single Varieties Mixed	\$0.30	\$0.50

PRINCESS WILT RESISTANT

Very attractive cutting type for florists. Plants 2' - 2 1/2' tall, branching habit, bearing quantities of 3" - 3 1/2" flowers on strong stems. Flowers have full crested center, surrounded by several rows of guard petals. Blooms in late August.

Anne. Peach blossom.

Bonnie. Soft salmon-pink.

Elizabeth. New. Pure white.

Margaret. New. Florist rose.

Linda. Clear light rose.

Susan. New. True deep blue.

Princess Mixed. Choice formula mixture.

Tr. pkt., 35c 1/4 oz., 75c; 1 oz., \$2.60.

Heart of France

Brilliant Red. Blooms about Tr. pkt. 1/4 oz. Oz.

August 15th. Generally considered the best red Aster ... \$0.35 \$0.60 \$1.85



Aster, Princess

American Branching Wilt Resistant

Plants 2 1/2 to 3 feet tall, branching, robust, flowers large, double and fine form. Flowers late August and early September.

	Tr. pkt.	1/4 oz.	Oz.
Azure Blue or dark lavender	\$0.30	\$0.50	\$1.85
Crimson .....	.30	.50	1.85
Peerless Pink .....	.30	.50	1.85
Purple .....	.30	.50	1.85
Rose .....	.30	.50	1.85
White .....	.30	.50	1.85
Mixed Colors .....	.25	.45	1.65



Balsam

BALSAM

Makes fine flowering plants in small pots for spring sales from Jan. sowing.

Double Rose-Flowering. Tr. pkt., 20c; 1/4 oz., 35c.

Camellia-flowered Mixture. Tr. pkt., 20c; 1/4 oz., 35c.

Bush-Flowering Rose. Tr. pkt., 35c; 1/4 oz., 60c.

Bush-Flowering Mixed. Tr. pkt., 30c; 1/4 oz., 50c.

BEGONIA

Among the best bedding plants for semi-shady positions and equally valuable for house culture and pots.

Gracilis

	Tr. pkt.
Adeline. Dwarf bright pink with green foliage..	\$1.00
Red Pearl. Fine red foliage	1.50
Pink Pearl. Fine color	1.50
Indian Maid. Scarlet-bronze foliage	1.00
Luminosa. Deep scarlet with reddish brown foliage	1.00
Prima Donna. Fine pink	1.00
White Pearl. Pure white	1.00

BELLIS PERENNIS - Double English Daisy

This popular Double English Daisy is much used for spring and early summer bedding.

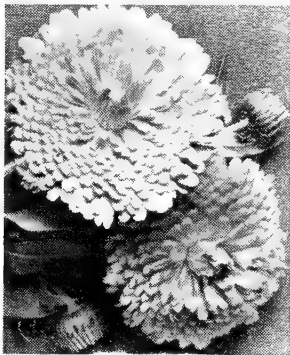
Monstrosa Gigantea. Red, Rose, White, Mixed.
Tr. pkt., 50c; 1/8 oz., 75c; 1/4 oz., \$1.50.

CALCEOLARIAS

Multiflora (Triumph Strain). The average size of the blooms is only 1 1/2 inches, but the amount of flowers produced is unsurpassed \$1.00

CALENDULA

Calendula are easily grown in a cool house with plenty of air. In fall, leave the ventilators wide open at all times if possible. A midwinter temperature of 45 degrees at night is best. If grown cool in a good soil you will get good hardy plants.



Calendula

Ball's Gold Improved. Deep golden yellow.

Ball's Lemon Queen. Clear yellow, dark center.

Ball's Masterpiece. Long stemmed orange, dark center.

Ball's Improved Long Orange. Clear orange.

Sensation Improved. Long stems, brilliant orange.

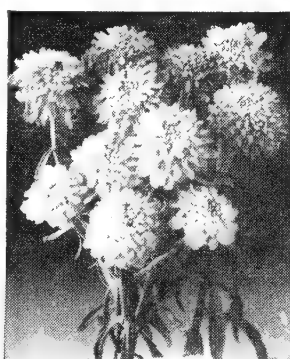
Prices of the above: Tr. pkt., 25c; 1/4 oz., 45c; oz., \$1.50.

CALLIOPSIS

Gold Crest. Produces large, semi-double, golden yellow flowers with reddish brown eyes \$0.15 \$0.25



Calliopsis, Gold Crest



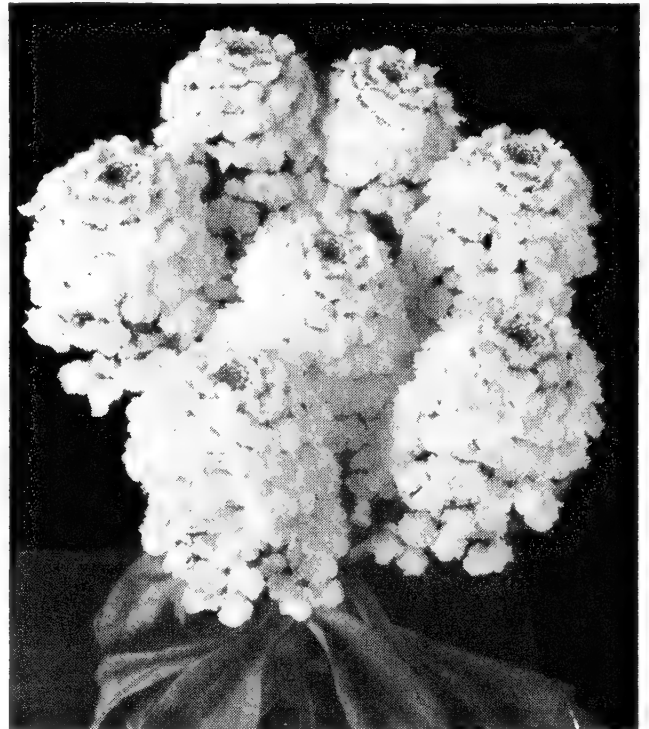
Candytuft
Umbellata Mixed

CAMPANULA MEDIUM - Canterbury Bells

CALYCANTHEMA (Cup and Saucer)

Similar to Single Canterbury Bells but with a large calyx which is the same color as the cup shaped corolla. Blooms in June. 2 ft.

	Tr. pkt.	1/4 oz.
Dark Blue	\$0.25	\$0.45
Light Blue .....	.25	.45
Rose .....	.25	.45
White .....	.25	.45
Choice Mixed. Extra fine .....	.20	.40



Candytuft, Giant Hyacinth Flowered

CANDYTUFT

Giant Hyacinth Flowered White, Extra Select. This is a very superior strain; it grows about 1 1/2 feet high, with enormous trusses of blooms 1/2 oz., 50c; lb., \$8.50 \$0.25 \$0.85

CANDYTUFT, PERENNIAL - Iberis

Gibraltarica. Lilac, shading to white. \$0.25 \$0.50
Sempervirens. White, 1 ft. 1/8 oz., 75c .40 1.25

CANDYTUFT, UMBELLATA

A popular spring cut flower. Sow in January, plant out 8x10 inches.

	Tr. pkt.	Oz.	1/4 lb.
Flesh-Pink	\$0.20	\$0.50	\$1.50
Lavender .....	.20	.50	1.50
Rose-Cardinal .....	.20	.50	1.50
White .....	.20	.50	1.50
Fine Mixed. All varieties .....	.20	.45	1.35

CARNATION, GRENADIN (Perennial)

A hardy type which is excellent for cutting. 2 ft.

	Tr. pkt.	1/8 oz.	1/4 oz.
Cardinal-Red	\$0.35	\$0.60	\$1.15
Snow-White .....	.35	.60	1.15
Triumph Deep Pink .....	.35	.60	1.15
Grenadin Mixed .....	.30	.50	1.00

CARNATION, CHABAUD'S GIANT IMPROVED

These Carnations come into bloom five months from time seed is planted and continue to bloom throughout the summer.

	Tr. pkt.	1/8 oz.	1/4 oz.
Mixed	\$0.35	\$0.65	\$1.25

CELOSIA, DWARF

Feather varieties can be lifted to pots or transplanted from open ground when in full flower, much the same as hardy Mums. Fine for pot plants. Tr. pkt. 1/8 oz.

Dwarf, Fire Feather	\$0.25	\$0.50
Dwarf, Golden Feather .....	.25	.50
Dwarf Feather Mixture .....	.25	.50



Celosia

CELOSIA, IMPROVED CRISTATA

(Dwarf Cockscomb) For beds, borders and pots.

	Tr. pkt.	1/4 oz.
Empress. Dark foliage, dark red flowers..	\$0.25	\$0.60
Glasgow Prize. Green foliage .....	.25	.60
Finest Mixed .....	.25	.60

CELOSIA, TALL

The increasing popularity of this showy annual is explained by its ease of growth, making showy mass effects in poor soil and hot climates. Tr. pkt. 1/4 oz.

Scarlet Plume. 4 ft. Brilliant crimson-scarlet. Fine for cutting	\$0.20	\$0.55
Golden Plume. Tall. Same as above .....	.20	.55
Thompsoni magnifica. 4 ft. Well balanced mixture of all colors .....	.20	.55

CENTAUREA, WHITE-LEAVED

(Dusty Miller) For borders, vases, baskets.

	Tr. pkt.	1/4 oz.
Candidissima. 6-inch. Silver-gray foliage.	\$0.25	\$0.75
Gymnocarpa. 24-in. Fine, silvery foliage	.15	.25

CENTAUREA CYANUS, DOUBLE

(Cornflower or Bachelor's Button). 3 ft.

Seed of this valuable cut flower can be sown outdoors during September and usually lives outdoors during winter, same as annual Larkspur. Tr. pkt. Oz. Lb.

Blue Boy. Finest blue	\$0.20	\$0.50	\$4.75
Pinkie. Fine deep pink .....	.20	.50	4.75
Red Boy. Deep carmine-rose ....	.20	.50	4.75
Snow Man. White .....	.20	.50	4.75
Double Finest Mixed .....	.15	.45	4.50

CERASTIUM

	Tr. pkt.	1/4 oz.
Tomentosum (Snow-in-Summer). Silvery white foliage. White flowers. 16 in. ..	\$0.25	\$0.50

CHEIRANTHUS - Wallflower

Golden Bedder. Deep yellow	Tr. pkt.	1/2 oz.
..... 1/4 oz., 25c	\$0.20	\$0.45
Allioni (Siberian Wallflower). Brilliant orange . . . . .	.15	.35

CHRYSANTHEMUM, DOUBLE

	Tr. pkt.	1/4 oz.
Golden Crown. Bright butter-yellow flowers are quilled and come fully double	\$0.30	\$0.65

CINERARIA HYBRIDA

Tr. pkt.
Cremer's Improved Prize Strain. This excellent strain contains a full range of colors. Very large heads. Plants semi-dwarf habit with small foliage

	\$1.50
--	--------

Siter Rainbow Strain. Remarkable for its wide range of color and especially rich in blue shades. 2.00

CINERARIA MARITIMA

(Foliage Varieties) Tr. pkt. 1/4 oz.
Diamond. White leaved

	\$0.15	\$0.35
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CLARKIA ELEGANS DOUBLE

2 feet. Sow in January, grow on in a flat or shallow raised bed. Must be run dry and not fed during growing season. Tr. pkt. 1/4 oz.

Finest Mixed

	\$0.20	\$0.35
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CLEOME - Spider Plant 4 feet tall.

Pink Queen. A wonderfully attractive and extra large flowered strain of the old Spider Plant. Large heads (6 to 7 in. across) of newly opened luminous rosy pink flowers fading to a clear white as they mature, Tr. pkt., 25c; 1/4 oz., 50c.

COLEUS

Tr. pkt.
Large Leaved Hybrids. Seed saved from newest and finest large leaved varieties

	\$0.50
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Rainbow Mixed. An excellent selection, highly colored

	.50
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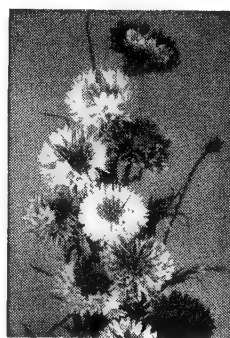
COREOPSIS GRANDIFLORA (Perennial)

Very good cut flower. Tr. pkt. 1/4 oz. 1 oz.
Double Sunburst. Fully double golden yellow

	\$0.20	\$0.35	\$0.95
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Mayfield Giant. Extra large deep golden yellow. Single

	.15	.25	.75
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Centaurea



Coreopsis Sunburst

COSMOS, SINGLE SENSATION

Very early giant flowered type. Plants grow 4 to 5 feet. Flowers are quite large.

Cardinal. Crimson.
Pinkie. Light pink.
Purity. Pure white.
Radiance. Striking deep rose and rich crimson.
Sensation Mixed.

Tr. pkt., 20c; 1/4 oz., 40c; oz., \$1.00.

Orange Flare. Height 2 1/2 feet. Orange flowers. The stems are long and wiry, well adapted for cutting. Pkt., 20c; 1/4 oz., 35c; oz., \$1.00.

CUPHEA

Tr. pkt.

Firefly. A very attractive spring pot plant that may be planted out for bedding and border work. Height 12 in. and covered with small bright scarlet flowers throughout the summer. \$0.30

CYCLAMEN GIGANTEUM

Burghard's Colorado Grown

Our Cyclamen seed has been grown by experienced growers who have specialized in this item.

250 seeds of one variety at 1000 rate

1000
Seeds

Baarde's Wonder. Salmon with white border ..	\$16.00
Bonfire. Brilliant salmon	16.00
Bright Red	14.00
Dark Blood Red	14.00
Orange Beauty. Orange-vermilion	16.00
Pure Rose	14.00
Salmon-Scarlet (America Improved)	16.00
Salmon-Rose Improved	16.00
Salmon, Dark (Glory of Wandsbek or Pearl of Zehlendorf)	16.00
Salmon, Light (Rose of Zehlendorf)	16.00
White. With carmine eye	14.00

CYNOGLOSSUM - Chinese Forget-Me-Not

Tr. pkt. ¼ oz.

Firmament. A dwarf (15 inches) selection from the original blue strain; rich blue, even habitoz., \$1.25 \$0.25 0.40

DAHLIA

Seeds sown in March, plants will be in bloom by the end of June. Graceful semi-double flowers in a wide range of colors. Tr. pkt. ¼ oz.

Unwin's Dwarf Hybrids. Double and semi-double types. Very even habit, 18 inches, with an attractive bright color range 1 oz., \$2.00 \$0.35 \$0.60

DAISY—SHASTA

(Perennial)



Shasta Daisy

Shasta Alaska. The most popular of all. Very large pure white flowers with small yellow centers. 2½ ft. Tr. pkt., 20c; ¼ oz., 40c; oz., \$1.25.

Conqueror. Flowers very large, pure white, stems 2½ ft. to 3 ft. Tr. pkt., 20c; ¼ oz., 40c; oz., \$1.25.

Double Shasta Alaska. A fine double cut flower variety, about 70% double. Tr. pkt., 50c.

DELPHINIUM (Perennial)

Belladonna Type

This much improved strain has larger flowers, well spaced on longer spikes.

Belladonna Improved. Light blue, large flowered and a strong grower. Tr. pkt., 40c; ¼ oz., 75c; 1 oz., \$2.75; ¼ lb., \$10.00.

Bellamosum Improved. Extra select, dark blue, large flowers. Tr. pkt., 40c; ¼ oz., 75c; 1 oz., \$2.75; ¼ lb., \$10.00.



Delphinium Hollyhock Strain

DELPHINIUM (Perennial) (Continued)

Blackmore and Langdon Hybrids. Shades of blue with contrasting bees. Tr. pkt., 50c; ¼ oz., 90c; 1 oz., \$3.00.

Wrexham or Hollyhock Strain. Extra large tapering spikes. Tr. pkt., 50c; ¼ oz., \$1.40; 1 oz., \$5.00.

DELPHINIUM PACIFIC GIANTS

(Vetterle and Reinelt)

Remarkable new strain developed by Vetterle and Reinelt. Flowers extremely well formed.



Delphinium Pacific Giants

Astolat Series

The first group of entirely novel shades in Delphinium. Color variation extends from pale blush through all shades of lilac-pink to deep raspberry-rose, with large brown, fawn and black bees for contrast.

½ tr. pkt., \$1.00; tr. pkt., \$2.00.

Black Knight Series. The darkest of them all. Individual flowers of beautiful round form.

Blue Bird. A clear medium blue with huge tall spikes.

Bluejay Series. The color is clear medium to dark blue.

Cameliard Series. A pure lavender self, with white bee.

Galahad Series. Finest white of enormous size.

Guinevere. Light pink lavender self with white bee.

King Arthur. Brilliant royal velvet with large white bee.

Round Table Series. Finest Mixed.

Summer Skies. Clearest light blue with white bee.

Prices of Above Varieties:

Tr. pkt., \$1.00; ⅛ oz., \$2.00; ¼ oz., \$3.50; oz., \$12.50.

Chinensis

A useful cut flower and effective in mass plantings.

Tr. pkt. ½ oz. 1 oz.

Cambridge Blue. Rich belladonna blue. 3 ft. \$0.35 \$0.95 \$1.75

Chinensis White25 .65 1.00

Chinensis Mixed25 .65 1.00



Sweet Wivelsfield

DIANTHUS - Pinks (Annual)

	Tr. pkt.	1/4 oz.	Oz.
Chinensis, Double. Choice Mixed.	\$0.15	\$0.25	\$0.90
Chinensis, Single. Choice mixed.	.15	.25	.90
Fireball. Double dark scarlet ...	.25	.35	1.25
Heddewigi, Double. Choice mixed	.15	.25	.90
Heddewigi, Single. Choice mixed.	.15	.25	.90
Sweet Wivelsfield. The plants grow 12 inches high, showy blooms of pink and crimson ...	.25	.35	1.25
Westwood Beauty. A new single red Dianthus with long stems..	.25	.35	1.25

DIANTHUS (Perennial)**Dianthus Plumarius - Grass or Clove Pinks**

	Tr. pkt.	1/8 oz.	1/4 oz.
Cyclops, Single Perpetual. Various colors, red eye	\$0.35	\$0.45	\$0.85
Spring Beauty. Double giant-flowered Carnation-like in form and with a beautiful color .....	.35	.50	.90
Plumarius Single. Single mixed ..	.20	.35	.60
Plumarius Double. Double mixed	.25	.40	.75

Dianthus - Pinks for Rock Garden

	Tr. pkt.	1/8 oz.	1/4 oz.
Allwoodi alpinus. Flowers first year from seed. 4 to 6 inches high; mixed colors	\$0.40	\$0.85	
Caesius (Cheddar Pink). A dwarf tufted variety. Rose-pink .....	.20	.35	.85
Deltoides Brilliant. Rich rose-pink.	.35	.75	
Rock Garden Rare Species Mixed	.25	.50	.90

DIDISCUS

	Tr. pkt.
Coeruleus. Blue Lace Flower	\$0.25

DIGITALIS - Foxglove

(Perennial)

	Tr. pkt.	1/8 oz.
Giant Shirley Mixed. A greatly improved strain of unusually strong, vigorous growth. Enormous spikes 3 to 5 feet in length set with very large flowers....	\$0.25	\$0.50

DRACAENA

Indivisa. Narrow green leaves. The popular kind for bedding or vases. Tr. pkt., 20c; oz., 60c.

ESCHSCHOLTZIA**California Poppy**

	Tr. pkt.	Oz.
Hybrida Mixture	\$0.15	\$0.75

FEVERFEW - Matricaria

(Perennial) Fine for Cut Flowers

Ball's Double White. Extra. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Dwarf Double Golden Ball. Tr. pkt., 25c; 1/8 oz., 50c.

FORGET-ME-NOT - Myosotis

(Biennial)

	Tr. pkt.	1/8 oz.
Alpestris, Victoria Rosea. Rose	\$0.35	\$0.60
Alpestris, Victoria. Azure-blue .....	.35	.60
Royal Blue (Indigo blue). 12 in. ....	.35	.60
Ruth Fisher. Extra fine, upright growing, free-blooming, rich color, fine for pots	.35	.60
Oblongata, Blue Bird. Large deep blue flowers 3 to 4 months after sowing; height 1 ft. ....	.35	.50

FOUR O'CLOCK

	Pkt.	Oz.
Marvel of Peru, Mixed	\$0.10	\$0.50

GAILLARDIA GRANDIFLORA

(Perennial)

	Tr. pkt.	Oz.
Burgundy. Self-colored wine-red, 2 1/2 in. in diameter, on long stiff stems, from June until fall	1/4 oz., \$0.65	\$0.35 \$2.10
Dazzler. Large flowers, bright golden yellow, with rich maroon-red center. 3 ft.	1/4 oz., 60c..	.30 1.75
Goblin. Very compact globular plants, red and yellow bi-color	1/4 oz., 65c	.35 2.10
Portola Hybrids. The flowers are very large, of great substance. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow. 2 1/2 to 3 ft.	1/4 oz., 45c..	.25 1.50

GAILLARDIA PICTA

(Annual)

	Tr. pkt.	Oz.
Lorenziana Double Choice Mixed	1/4 oz., 35c..	\$0.20 \$1.25

GEUM (Perennial)

Lady Stratheden. Double golden yellow. Tr. pkt., 35c; 1/4 oz., 75c.	
Mrs. Bradshaw. Double fiery orange-red. Tr. pkt., 35c; 1/4 oz., 75c.	

GOURDS, ORNAMENTAL

Decorative Varieties, Mixed. 1/4 oz., 15c; oz., 50c.

GOMPHRENA - Globe Amaranth

An attractive everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates. Mixture of colors. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

GREVILLEA

Robusta (Australian Silk Oak). Popular for specimen or combination work. Tr. pkt., 35c; 1/4 oz., 75c.

GYPSOPHILA ELEGANS

These are always in demand for mixing with other cut flowers.

Covent Garden Market Reselected. 2 ft. An improved giant pure white. Tr. pkt., 15c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.25.

Grandiflora Alba, London Market. The largest flowered pure white Gypsophila. Tr. pkt., 15c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.25.

GYPSOPHILA - Baby's Breath (Perennial)

Pacifica. Pink variety of strong growth blooming later than *Paniculata*. 4 ft. Tr. pkt., 30c; ½ oz., 60c.

Paniculata. Small, white flowers about 50 per cent double. An excellent strain for drying. Tr. pkt., 40c; ½ oz., 75c.

Repens. Dwarf creeping type excellent for rock garden. Rose, White. Tr. pkt., 30c; ½ oz., 60c.

HELICHRYSUM

The popular double Strawflower.
Choice Mixed. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., 90c.

HEUCHERA - Coralbells (Perennial)

Sanguinea. 24 in. Crimson. An attractive garden plant with some value for cutting. Tr. pkt., 50c.

ANNUAL LARKSPUR

SUPREME

The Ideal Cut Flower Strain

This is by far the most desirable and florist's favorite because of its especially clear colors, uniform in height, and long well-filled flowering spikes, closely covered with fully double flowers and large individual florets.

Dark Blue Supreme. A truly fine rich violet-purple.

Lilac Supreme. A pleasing shade of clear lilac.

Pink Supreme. It is a clear rose-pink.

Rose Supreme. A clear, pure deep rose.

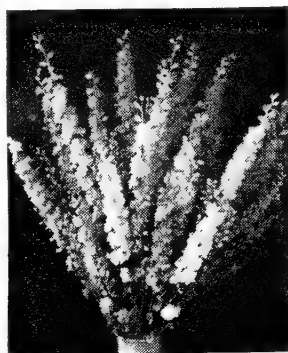
Salmon Supreme. A true shade of real salmon.

White Supreme. A fine white Larkspur.

Supreme Mixture.

Prices of the
above varieties:

Trade pkt., 35c; ½ oz., 70c;
1 oz., \$1.25; ¼ lb., \$4.25;
lb., \$14.00



Supreme Larkspur

Tall Branching Double Stock Flowered 4 feet

The tall double stock-flowered are best suited for outdoor planting. Seed sown latter part of September usually winters over well in our latitude.

Dark Blue. Fine dark blue. **Lilac Improved**
Empress Rose. Select rose. **Rosamond.** Rose-pink.
La-France. Salmon-pink. **White.** Pure white.
Los Angeles. Salmon-rose. **Mixed.** Best mixed.

Tr. pkt., 20c; oz., 70c; ¼ lb., \$2.50; lb., \$9.00.



Hollyhock

HOLLYHOCKS

(Perennial)

Triumph. Double mixed. Flowers waved and fringed. Tr. pkt., 35c; ¼ oz., 75c.

CHATER'S DOUBLE

Scarlet **Newport Pink**
Deep Rose **White**
Maroon **Mixed**
Yellow

Each: Tr. pkt., 30c; ¼ oz., 65c; 1 oz., \$2.25.

HOLLYHOCKS

(Annual)

Indian Spring. Starts to bloom 5 months from seed sowing and continues until frost. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

HUNNEMANNIA

Sunlight. Semi-double. Tr. pkt., 20c; ¼ oz., 40c.

IMPATIENS

Provide splendid pot plants. Also useful for porch boxes. Will succeed in partial shade. Tr. pkt.

Sultana Hybrids, Mixed\$0.50

Sultana Carmine50

Ipomea. See Morning Glory, page 17.

REGAL STRAIN (New)

Tremendously long spikes of huge, well spaced florets distinguish this new strain of florist's market Larkspur from all others. It retains the desirable height and basal branching habit of the Giant Imperials, but has Delphinium-like florets on long, thick spikes. Vigorous and early.

Regal Dark Blue. Very deep violet-blue.

Regal Pink. Brilliant pink on salmon.

Regal Lilac. Pure clear lilac.

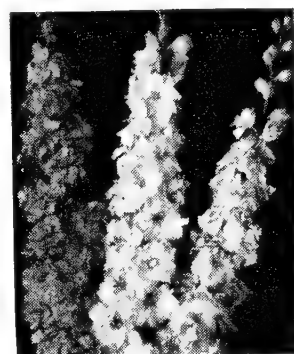
Regal Salmon Rose. Rich color.

Regal Rose. Rich florist's rose.

Regal Finest Mixed.

Regal White. Pure white.

Tr. pkt., 50c; oz., \$1.50;
¼ lb., \$5.00; lb. \$18.00.



Regal Larkspur

Imperial or Base Branching

These Larkspurs are ideal for cut flowers, as the flower stems, three to four feet long, branch from the base of the plant. For indoor forcing. Also good outdoors.

Blue Bell. Azure-blue.

Blue Spire. Violet-blue.

Lilac King. Rich lilac.

Lilac Spire. Lilac.

White King. Pure white.

Los Angeles Improved.
Fine pink.

Pink Perfection. Light salmon.

Rose King. Rich rose.

Extra Choice Mixed

Prices of above varieties:

Tr. pkt., 25c; oz., 85c; ¼ lb., \$3.00; lb., \$10.50.

LINUM - Flax (Perennial)

Perenne (Blue Flax). Pale blue, round-shaped flowers on slender stems, height 18 inches. Tr. pkt., 20c; ¼ oz., 25c; 1 oz., 75c.

LOBELIA

	Tr. pkt.	1/8 oz.
Crystal Palace Compacta. 4 inches, ultra-marine-blue. The best for edging; dark foliage	\$0.25	\$0.50
Emperor William. Deep blue with light green foliage .....	.25	.50
Mrs. Clibran. Deep blue, white eye, dark foliage .....	.25	.60
Sapphire. For hanging baskets, large, deep navy-blue with white eye .....	.25	.60

LUPINUS - Polyphyllus (Hardy Lupine)

Fine for cutting. Requires a well-drained location and thrives best in cool climate.

	Tr. pkt.	1/4 oz.	Oz.
Dark Blue	\$0.20	\$0.40	\$1.25
Rose .....	.25	.50	1.50
Harkness Regal Mixture. The standard fine hybrid mixture ..	.20	.40	1.25
Russell Strain. Unusually long closely set flower spikes and the widest range of attractive colors	.30	.50	1.75

LYCHNIS

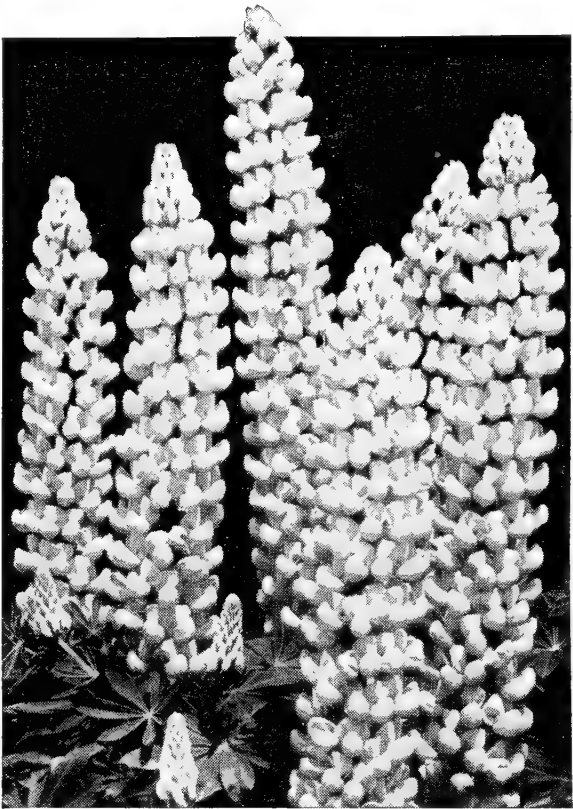
(Perennial)

	Tr. pkt.	1/4 oz.
Chalcedonica. Fine scarlet flowers. 2 ft. ..	\$0.25	\$0.50
Viscaria Splendens. Early deep rose.....	.25	.50

LUPINUS (Annual Lupines)

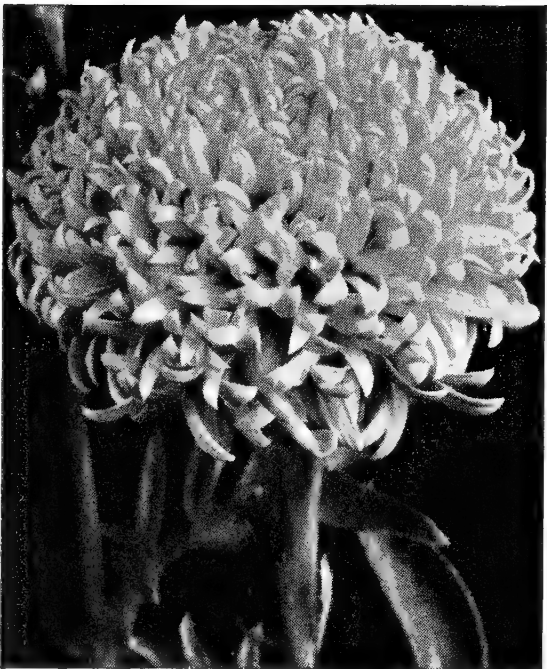
The annual varieties are popular cut flowers and excellent for forcing.

	Tr. pkt.	Oz.	1/4 lb.
Hartwegii Giant, King Blue	\$0.20	\$0.75	\$2.50
Hartwegii Giant, King White ...	.20	.75	2.50
Hartwegii Giant, Sky-Blue .....	.20	.75	2.50
Hartwegii. Mixed Colors .....	.20	.50	1.75



Lupinus Polyphyllus
Russell Mixture

MARIGOLD - Tagetes



Marigold, Mission Giant

Mission Giants

- Goldsmith.** The best version of the Chrysanthemum-flowered Marigold. Globular flower with incurved petals, borne on long base branching stems. 3 ft. tall. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85.
- Limestone.** Beautiful Chrysanthemum type incurved flowers. Limestone is a soft lemon-yellow. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.85.
- Mission Giant Yellowstone.** Bright, rich, clear, yellow counterpart to Goldsmith, with large 2½ inch flowers on luxurious, large plants. Flowers are of double, incurved, Chrysanthemum-like form. Uniformly 3 to 5 feet tall. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85.
- Sunset Giants.** Mixed. This is a mixture ranging from deep orange through golden orange. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Collarette—Odorless

- Odorless foliated plants two feet tall, branching, bearing flowers with crested centers.
- Crown of Gold.** Bright golden orange. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.
- Large Flowered Odorless Mixed.** Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

MARIGOLD—Continued

Tall African, Double Fistulosa 3 Feet

An especially fine tall branching strain, bearing enormous flowers of the quilled type; valuable for cutting.

Orange All-Double. A strain of African Marigold which has come about 95% double. A superior strain for cutting. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.65.

All-Double Lemon. Same trueness to double type as All-Double Orange. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.65.

Burpee Gold. An odorless Guinea Gold, same deep golden orange color but considerably earlier. Fine for a spring greenhouse crop or for outdoor cutting if not too hot. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.60.

All-Double Mixture. Mixture of above All-Double varieties. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

African, Double Carnation-Flowered

2½ Feet

This new type produces practically 100 per cent double plants. The loose, informal flowers are fluffy in appearance and very popular for cutting.

Guinea Gold. Attractive deep golden orange flowers, 2 to 3 in., and very freely produced; fine for cutting. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Yellow Supreme. Bright lemon-yellow, loose petaled flower. Not quite as long stemmed as Guinea Gold. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Double Carnation-Flowered Mixed. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.40.

Dwarf French Single 1 Foot

Legion of Honor. Yellow and brown. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Naughty Marietta. Rich golden yellow petals attractively marked maroon at the base. 2 inch flowers. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

Tagetes signata pumila. Very dwarf orange. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Tall French, Winter Flowering

Tr. pkt. ¼ oz.

Grow in Carnation house temperature.

Lieb's Winter Flowering. Mahogany-brown with golden yellow crested center\$0.25 \$0.45

Winter Harmony. Bright orange crest with reddish guard petals25 .45

MATRICARIA - Feverfew

(Perennial) Fine for Cut Flowers

Tr. pkt. ⅛ oz. ¼ oz.

Ball's Double White. Extra\$0.35 \$1.00 \$1.75

Dwarf Double Golden Ball25 .50

MIMOSA - Sensitive Plant

Pudica Tr. pkt. \$0.25

MIMULUS

Moschatus (Musk Plant)35

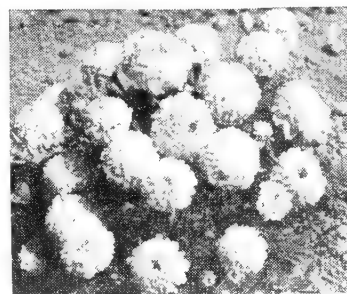
MOONFLOWER

Noctiflora. Large white Oz. ¼ lb. \$0.40 \$1.25

MARIGOLD - Dwarf French Double

Butter Ball. Most attractive, very compact, Scabious-flowered, canary-yellow. Only 6 to 10 inches tall, uniform, very early. Tr. pkt., 20c; ¼ oz., 35c; oz., \$1.00.

Gold Crest. Golden yellow. Early and free flowering. Tr. pkt., 25c; ¼ oz., 45c; oz., \$1.25.



Marigold Butter Ball

Harmony Hybrids. Compact habit combined with early free flowering character makes this an outstanding introduction. Orange and yellow shades with blotched and striped combinations. Tr. pkt., 20c; ¼ oz., 35c; oz., \$1.00.

Improved Harmony. Medium size Scabious-like double flowers. Deep orange center with maroon-red outer petals. 14 to 18 in. Tr. pkt., 20c; ¼ oz., 35c; oz., \$1.00.



Improved Harmony

Lemon Ball. A lemon-yellow, fine for pot combinations. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

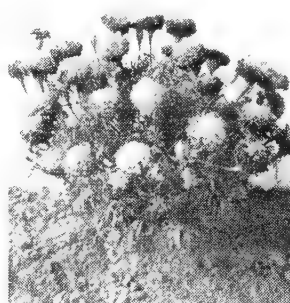
Spry. Dwarf, compact plants about 9 inches high and spreads 15 inches, having a bright yellow center with several rows of mahogany-red guard petals. Early flowering. Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.25.

Sunkist. (New). A bright golden orange. All-America winner, 1943.

Typical Harmony flowers with crested centers. Uniformly dwarf. Tr. pkt., 25c; ¼ oz., 40c; oz., \$1.25.

Yellow Pigmy. Lemon-yellow. 8 in. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

Dwarf French Double Mixed. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.



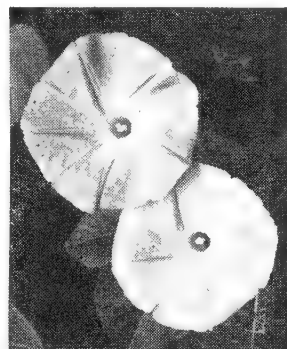
Marigold Spry

MORNING GLORY - Ipomea

Clarke's Heavenly Blue. A beautiful shade of belladonna-blue flowers. Tr. pkt., 20c; oz., 65c.

Scarlett O'Hara. Rich dark wine-red or deep crimson. Tr. pkt., 20c; oz., \$1.00.

Blue Star. An entirely new color in Giant Morning Glories, a distinct shade of clear sky-blue accentuated by the five deeper blue midribs to form an attractive star, a truly outstanding and most attractive shade. Tr. pkt.,



Ipomea Heavenly Blue

20c; ¼ oz., 35c; ½ oz., 65c; oz., \$1.00.

NASTURTIIUM, DOUBLE

Double Scarlet Gleam. Dazzling fiery orange-scarlet.

Double Golden Gleam. Especially adapted for window box culture.

Glorious Gleam Hybrids Finest Mixed.

Each: ½ oz., 15c; 1 oz., 25c; ¼ lb., 75c.

NICOTIANA - Flowering Tobacco

Crimson Bedder. 15 in. Makes a very compact growth and very free flowering. Deep crimson-red. **Tr. pkt.,** 25c; $\frac{1}{4}$ oz., 50c.

White. 36 in. Tall and large flowered. **Tr. pkt.,** 15c; $\frac{1}{4}$ oz., 35c.

Nicotiana Hybrids, Mixed. **Tr. pkt.,** 25c; $\frac{1}{4}$ oz., 40c.

NIEREMBERGIA

Tr. pkt.

Purple Robe. A fine dwarf deep violet-blue, blooms in 15 weeks from seed\$0.50

Hippomanica. An attractive lavender-blue, suitable for outdoor bedding. 6 to 8 in.50

GIANT PANSIES

Steele's Jumbo Mixed. This superb strain of Pansies is of largest size, richest and most varied colors. **Tr. pkt.,** \$1.00; $\frac{1}{8}$ oz., \$3.00; $\frac{1}{4}$ oz., \$5.00; $\frac{1}{2}$ oz., \$8.50; 1 oz., \$16.00; 2 ozs., \$30.00.

Steele's Butterfly Hybrids. A select new ruffled Pansy. **Tr. pkt.,** (1000 seeds), \$1.00; $\frac{1}{16}$ oz., \$2.00; $\frac{1}{8}$ oz., \$3.50; $\frac{1}{4}$ oz., \$6.00.

Super Swiss Giants Mixed. Grand in size, form, color and substance; blotched and beautifully marked. Plants low and compact. **Tr. pkt.,** 50c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.50; $\frac{1}{2}$ oz., \$4.75; oz., \$9.00.

Masterpiece Mixed. An extremely bright mixture, early flowering and dwarf, with a good variety of colors. **Tr. pkt.,** 50c; $\frac{1}{4}$ oz., \$1.80; $\frac{1}{2}$ oz., \$3.25; oz., \$6.00.

Swiss Giant—Separate Colors

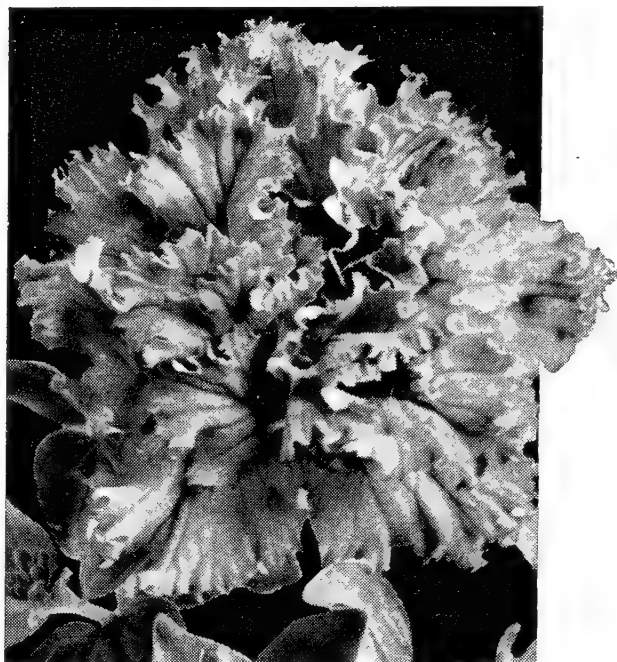
	Tr. pkt.	$\frac{1}{8}$ oz.	$\frac{1}{4}$ oz.
Alpenglow. Rich garnet shades ..	\$0.50	\$1.75	\$3.00
Berna. Dark velvety violet-blue ..	.50	1.75	3.00
Coronation Gold. Large golden yellow. ....	.50	1.75	3.00
Jumbo "Pay Dirt." New largest golden yellow. Flowers have dark rays or tiny faces.....	1.00	2.00	3.50
Raspberry Rose. Beautiful new color best described by its name	1.00	2.00	3.50
Ullswater (Lake of Thun). Marine blue .....	.50	1.75	3.00
White. Pure white .....	.50	1.75	3.00



Petunia, Dwarf Fringed

SELECTED PETUNIAS

Our Petunia seeds are of the finest quality, grown by the best growers in California and Japan from selected plants. No pot plant is more profitable or satisfactory than a fine pot plant of Petunias.



Double Petunia, Blue Brocade

All-Double Dwarf Petunias**All-Double Dwarf (Victorious) Fringed**

Blue Brocade. Profuse bloomer of true violet-blue. The fringed flowers $3\frac{1}{2}$ to 4 inches across are borne on stocky plants.

Loveliness. La-France-pink, that all important florist color.

Orchid Beauty Improved. Color varies from clear light blue to orchid.

Pure White (Snowball). Same dwarf uniform habit of rosy carmine, with large well fringed flowers of the purest white. A fine Mother's day pot plant.

Rosy Carmine Improved (World Beauty or Pink Perfection). Uniformity of growth and a brighter rose color will increase the popularity of this variety more than ever. What could be better than a plant of 8 to 10 blooms with this appealing color.

Silver Blue. Clear blue without veins. Plants are compact and in every way most desirable.

Victorious All Double Formula Mixture. All colors of the above.

Each of the above:

$\frac{1}{2}$ Tr. pkt., \$2.00; Tr. pkt., \$3.50.

**Large-Flowering Dwarf Fringed
SINGLE DWARF FRINGED - 10-inch**

For neat compact growth and richly fringed flowers, this class is most valuable for use as pot plants. Also highly attractive for bedding. **Tr. pkt. $\frac{1}{64}$ oz.**

Elk's Pride Dwarf. Extra dwarf with large single fringed flowers of velvety violet. \$0.50 \$1.50

Lace Veil. Pure white, large flowers, free flowering50 1.50

Salmon Glory. Pure salmon-pink50 1.50

Setting Sun. Brilliant deep rose, dark throats, very free flowering50 1.50

Dwarf Fringed Mixed50 1.25

SELECTED PETUNIAS— (Continued)

SINGLE PETUNIAS
Dwarf Giants of California

A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats. This dwarf class makes particularly fine 3 and 4-inch pot plants for spring business. Seed for this purpose should be sown in January.

Dwarf Giants of California Select Mixed. This is the best strain of giant-flowered Petunias in existence for pot culture and bedding. The plants are bushy, grow about 12 inches high and produce their immense flowers freely and in a wonderful variety of colors. ½ tr. pkt., 75c; tr. pkt., \$1.25; 1/64 oz., \$2.50; 1/32 oz., \$4.50; 1/16 oz., \$8.00.

Dwarf Giants of California, Ramona Strain, Dark and Light Shades. A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open, well marked throats. ½ tr. pkt., 60c; tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$3.00.

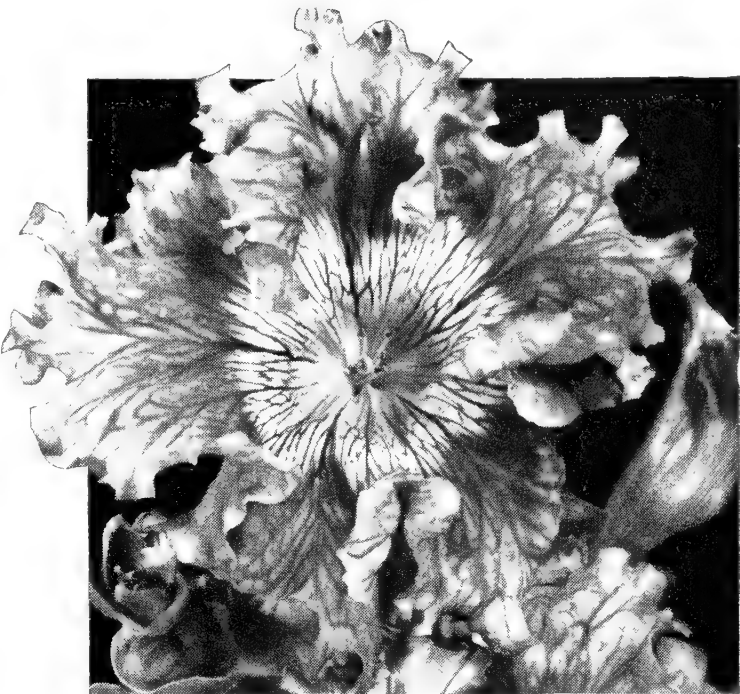
Large-Flowering Grandiflora

Generally more robust than the fringed and larger flowered—excellent for bedding. Flowers 3 to 4 inches in width. Height, 12 inches. Tr.pkt. 1/32 oz.

Burgundy. Plain edge. Rich wine red with contrasting white throat	\$0.50	\$2.00
Elk's Pride. Largest and best velvety purple .....	.50	2.00
Flaming Velvet. Velvety blood-red .....	.50	2.00
Pink Triumph. Clear rose-pink .....	.50	2.00
Snow Storm Improved. A fine white, dwarf, compact excellent variety .....	.75	3.00
Theodosia Improved. Largest rose-pink with golden throat, fringed .....	.50	2.50
White Cloud. An effective all purpose dwarf white with nicely ruffled flowers. Particularly well liked for pot work ..	.50	2.50
Fringed. Choice mixed .....	.50	1.75
Ruffled Monsters Exquisite Mixed .....	.50	1.75



Petunia, Ruffled Garden Giants



Dwarf California Giants

DWARF RUFFLED GIANTS

Martha Washington. Delicate rose, center veined rich wine-red, ruffled 3 in. blooms. Tr. pkt., 50c; 1/32 oz., \$1.25; 1/16 oz., \$2.25.

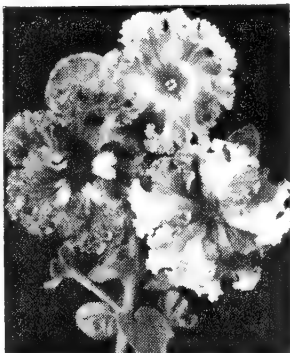
Dwarf Ruffled Little Giants Mixed. This type has medium sized, well ruffled and fringed flowers grown on compact plants, 8 to 10 inches tall. An excellent pot item for florists or can be grown for bedding plants. Tr. pkt., 75c; 1/32 oz., \$2.00.

Dwarf Ruffled Garden Giants. The outstanding feature of this new variety is its satisfactory plant growth. The plants uniformly develop into well rounded mounds 12 to 15 inches high. They start flowering when extremely small and continue their gorgeous display all through the summer. The mixture includes a wide variety of bright color combinations. Tr. pkt., \$1.00; 1/32 oz., \$2.50.

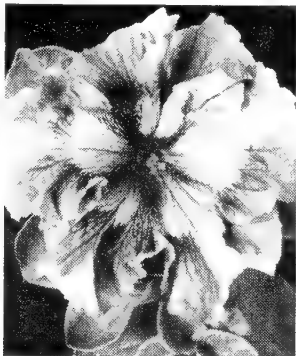
Petunia, Balcony Pendula

Highly suitable for window boxes. Tr. pkt. 1/8 oz.

Cornflower Blue. A violet-blue	\$0.35	\$0.90
Black Prince. Deep rich velvety crimson .....	.35	.90
Rose. Fiery rose, select strain .....	.35	.90
Star of California. Violet, white star ..	.35	.90
Violacea. Fairly dwarf deep purple .....	.35	.90
White. Pure white .....	.35	.90
Balcony Mixed .....	.30	.75



Grandiflora Fluffy Ruffles



Petunia, Dwarf Giants of California Ramona Strain

SELECTED PETUNIAS—Continued**Compact Dwarf Bedding**

Fine for pot sales, garden borders and bedding.

Admiral. Most attractive dwarf blue bedding Petunia. Flowers are ruffled, adding greatly to their distinctiveness. Tr. pkt., 50c; 1/64 oz., \$1.25.

Celestial Rose Re-selected. Definitely superior to the regular Celestial Rose, slightly dwarfer in habit and larger flowered. Unquestionably the best available strain of this fine pot plant item. Tr. pkt., 40c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

English Violet. A pleasing shade of rosy violet-mauve, with the same vigorous type of growth as Celestial Rose. Tr. pkt., 40c; 1/8 oz., \$1.00.

Fire Chief. A brilliant scarlet-red, an entirely new color in this class. First gold medal winner in 11 years and the only A.A.S. flower winner for 1950. Plants dwarf and compact with long blooming season. Tr. pkt., 50c; 1/32 oz., \$1.00; 1/16 oz., \$1.75.

Glowing Rose. New low growing Petunia of intense brilliance. The plants are mound-shaped and of unusual uniformity, completely covered with glowing rose flowers. Tr. pkt., 50c; 1/16 oz., \$1.00; 1/8 oz., \$1.50.

Glow. Bright rose-red, with lighter throat. Dwarf, compact bell-shaped. Very free flowering and true to type. Tr. pkt., 35c; 1/16 oz., \$1.00.

King Henry. Large flowers of a rich velvety blood-red color. Very free flowering. Dwarf compact habit. Tr. pkt., 50c; 1/32 oz., \$1.25.

Rose of Heaven Improved. The best strain on the market for borders and bedding. Perfectly uniform, fine rose-pink color; dwarf habit. Tr. pkt., 30c; 1/8 oz., 65c; 1/4 oz., \$1.00.

Rosy Morn Improved. Differs from the original in that the rose coloring is stronger and deeper and habit some stronger. Quite uniform and distinct in every way. Tr. pkt., 30c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Silver Blue (Heavenly Blue.) Reselected rich light blue, compact habit and truer than most strains. Tr. pkt., 30c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Topaz Queen. A remarkable color combination of glowing carmine-rose with distinct orange-scarlet overtone. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Snowball Improved. This compact white Petunia is the result of many years work to obtain a lower growing compact strain. The flowers are large, full round with a light throat. Tr. pkt., 40c; 1/8 oz., \$1.00; 1/4 oz., \$1.85.

Snow Queen. Our finest pure white bedding Petunia. Its strong spreading growth and free flowering habit have made it a favorite wherever grown. Tr. pkt., 30c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Velvet Ball. Dwarf compact plants with velvety blood-red blooms. Tr. pkt., 50c; 1/32 oz., \$1.25.

Violacea. Deep violet, dwarf, with a bright blue cast. A new color in the nana compacta type. Tr. pkt., 30c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Nana compacta Mixed. A well balanced mixture. Tr. pkt., 25c; 1/8 oz., 60c; 1/4 oz., \$1.00; oz., \$3.50.



Celestial Rose Re-selected

Petunia Hybrida, Bedding

This class is of vigorous growth and for this reason is suited to outdoor bedding where summers are most trying.

Blue Bee. Blue of Jersey Gem Viola. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 75c.

Elk's Star. A new, more compact strain of Howard's Star color. Uniform and early. Tr. pkt., 50c; 1/8 oz., \$1.25.

Flaming Velvet. Rich brilliant velvety blood-red or crimson flower. Tr. pkt., 35c; 1/8 oz., 60c; 1/4 oz., \$1.00.

General Dodd. This is a velvety blood-red, but differs in the growth. In height this does not exceed 10 inches. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 90c.

Howard's Star Improved. Medium tall velvety purple with white star. Highly attractive and popular for bedding. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.25.

White King. Pure white. Tr. pkt., 30c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Radiance. A very brilliant and rich rose or cerise color, veined yellowish throat. Blooms very early and profusely, of uniform height and branching nicely. Tr. pkt., 30c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Rose King Improved. Large flowered, rich rose. Tr. pkt., 30c; 1/8 oz., 65c; 1/4 oz., \$1.10.

Topaz Rose. Brilliant deep carmine-rose; about same color as Topaz Queen. Tr. Pkt., 30c; 1/8 oz., 65c.

Violacea. Rich violet, compact and dwarf. The finest dwarf violet. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 75c.

Choice Bedding Mixed. A very choice mixture which contains a splendid blend of color. Tr. pkt., 25c; 1/4 oz., 75c; oz., \$2.50.

PENTSTEMON, BEARD TONGUE
(Perennial)

Sensation. The most brilliant and varied colors; many of them are beautifully edged with a fine contrasting color. 2 ft. Tr. pkt., 35c.



Phlox Drummondii—Gigantea Art Shades

PHLOX

Drummondii Gigantea

A strain of Phlox Drummondii with flowers an inch and a quarter to an inch and a half in diameter. It has a most wonderful range of color.

Red Glory. A bright scarlet-red with large contrasting white eye.

Rosy Morn. A particularly bright, clear rose-pink.

Salmon Glory. Pure salmon-pink with creamy white eye.

Art Shades Mixture. Large flowered mixture of pastel shades with white eyes.

Tr. pkt., 35c; 1/8 oz., 50c; 1/4 oz., 90c; oz., \$3.25.

Drummondii Nana Compacta

Dwarf type for growing in pots or bedding.

Fire Ball. Fine dwarf red. Tr. pkt., 35c; 1/8 oz., 50c; 1/4 oz., 90c; oz., \$3.25.

Cecily Mixture. A bright mixture of all colors and shades in dwarf types. Tr. pkt., 35c; 1/8 oz., 50c; 1/4 oz., 90c; oz., \$3.50.

Dwarf Fine Mixed. Compact plants averaging about 6 inches high. Tr. pkt., 35c; 1/4 oz., 85c; oz., \$3.00.

PHLOX - Perennial

Beltsville Beauty. If autumn sown, this Phlox will flower the following spring, according to Dr. Sam Emsweller of U.S.D.A., developer of the strain. After that time it will bloom regularly each spring just like the usual perennial form. Beltsville Beauty is a broad mixture of colors. Besides the usual mauve, the mixture contains lavender, carmine, crimson, salmon-pink. To insure good germination, seed should be frozen before planting. Tr. pkt., 35c; 1/8 oz., 60c; 1/4 oz., \$1.00.

PHYSOSTEGIA

Virginica. Rosy lilac. Tr. pkt., 35c; 1/8 oz., 50c.

PLATYCODON Tr. pkt. 1/4 oz.

Grandiflorum. Large steel-blue flowers ..\$0.30 \$0.75

POPPIES

Poppy, Iceland (Nudicaule)

	Tr. pkt. 1/4 oz.	
Cardinal Red, Scarlet-red,	\$0.35	\$0.75
Sanford's Giant Strain. Immense flowers on stiff strong stems, very varied range of colors .....	.35	.75

PAPAVER ORIENTALE - Oriental Poppy

The named varieties of Oriental Poppies do not come entirely true from seed.

	Tr. pkt. 1/4 oz.	
Brilliant, Brilliant fiery red; 40 in.	\$0.35	\$0.75
Beauty of Livermere. Dark oxblood .....	.35	.85
Princess Victoria Louise. Salmon .....	.35	.85
Mixture of All Colors .....	.35	.75

POPPIES Annual

Cut newly opened flowers either early in the morning or in the late evening and immediately (within five minutes of cutting) burn the ends of the stems at the gas range or electric range for a depth of two inches. Then put them in fresh water.

	Tr. pkt.	Oz.
Shirley Finest Single Mixed	\$0.15	\$0.60
American Legion. Single orange-scarlet ..	.15	.60

PORTULACA - Moss Rose

A very excellent plant for dwarf bedding or border work. Very easily grown.

	Tr. pkt. 1/4 oz.	Oz.
Grandiflora Double Mixed	\$0.25	\$0.75
Grandiflora Single Mixed .....	.25	.50
		1.50

PRIMULA Obconica

	Tr. pkt.
Fasbender's Red. Extra large deep crimson	\$1.00
Mueller Atrosanguinea. Lighter shade	1.00

PRIMULA Malacoides

Ericksoni

Glory of Riverside Improved. Strong growing rose-pink, useful for all purposes.

New Giant. A late flowering variety similar in color to the Glory of Riverside. Heavy stems and large flowers.

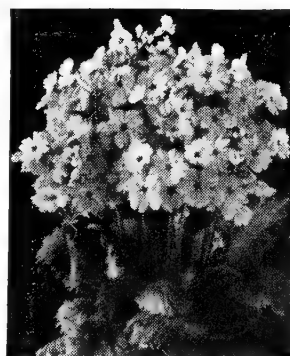
White Giant, New. A real pure white, exceptionally strong grower.

Peach Blossom. Deep peach-blossom-pink, compact and an excellent keeper.

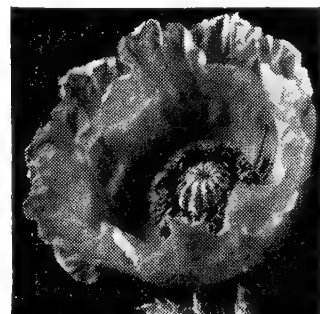
New Red Baby. Outstanding red.

Lavender New Baby. Fine lavender shades.

Price of any of the above: \$1.25 per pkt.



Primula Malacoides



Papaver Orientale

PYRETHRUM (Perennial)

One of the really good hardy perennials, valuable alike for cutting or planting in the hardy border.

	Tr. pkt.	1/8 oz.	
Robinson's Giant Hybrid Red. Fine for cutting	1/4 oz., \$1.25..	\$0.40	\$0.75
Semi-Double Mixture. Excellent	1/4 oz., \$1.25..	.40	.75
Hybridum, Single. Large flowering. Mixed	1/4 oz., \$1.00..	.35	.60

RICINUS - Castor Oil Plant

	Tr. pkt.	Oz.	1/4 lb.
Crimson Spire. 8 ft. Crimson stems and foliage	\$0.15	\$0.35	\$0.90
Zanzibariensis, Mixed .....	.10	.25	.75

SALPIGLOSSIS

Some very attractive colors for summer cutting and spring flowering under glass. Tr. pkt. 1/4 oz.

Emperor. Extra choice large flowering mixture	\$0.20	\$0.45
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Salvia

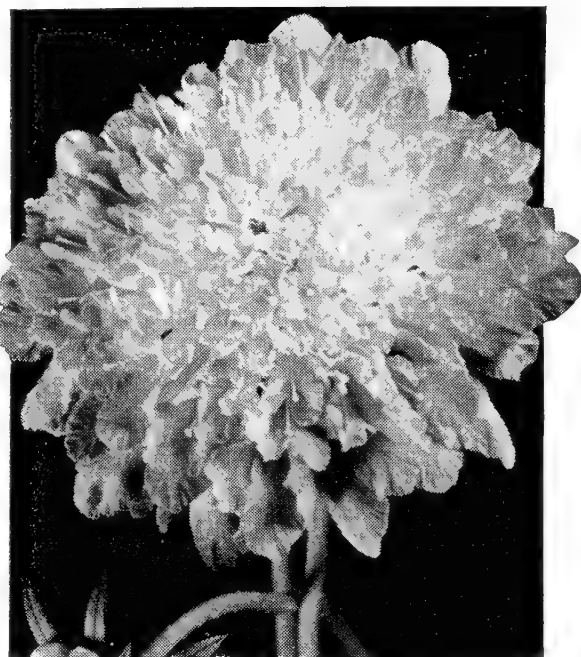
SALVIA SPLENDENS

We fully realize the importance of Salvias to florists and are careful to arrange for our stock with an American specialist who supplies only fine plump seed.

	Tr. pkt.	1/4 oz.	Oz.
America (Globe of Fire). Plants grow about 18 inches high ...	\$0.40	\$1.25	\$4.50
Blaze of Fire. The earliest and most dwarf red strain available. About 12 inches high .....	.50	1.50	5.50
Clara Bedman (Bonfire.) Erect habit—the old standby. 18 in. ....	.40	1.25	4.50
Harbinger (Firebrand.) Northern grown seed. Of uniform type, about 15 inches high; free and early flowering .....	.50	1.50	5.50
Zurich. Early free-flowering, scarlet. 18 in. ....	.40	1.25	4.50
Farinacea (Blue Bedder). 36 in. Perennial but best known as an annual. Deep blue flowers ..	.40	1.25	

SAPONARIA Tr. pkt. 1/4 oz.

12 in. Trailing Rose; hardy rock plant ..\$0.25 \$0.65



Scabiosa, Blue Moon

SCABIOSA

Choice long-stemmed annuals for summer cutting.

	Tr. pkt.	Oz.
Blue Cockade. Deep azure-blue	\$0.25	\$1.25
Blue Moon. Rich deep lavender-blue ...	.35	1.50
Loveliness. Salmon-rose .....	.20	.75
Shasta White .....	.20	.75
Giant Hybrids Mixed .....	.25	1.00

Scabiosa (Perennial)

Excellent perennial cut flower material. Larger flowered than the popular annual form, perfectly hardy, and early flowering. Seed germination sometimes slow and irregular.

	Tr. pkt.	1/4 oz.
Caucasica, House Hybrids. Lavender and blue shades	\$0.50	\$1.15
Columbaria, Lavender. Delicate color ...	.35	.75
Choice Mixed .....	.35	.75

SCHIZANTHUS (Butterfly Flower)

Giant Flowering Hybrids. Select large flowered hot-house strain. Tr. pkt., 35c.

Excelsior Compactus Choice Mixed. Very dwarf. Tr. pkt., 35c.



Schizanthus

SHAMROCK

True Irish Shamrock. Sow Jan. 1st; Patrick's Day plants; use 3 or 4 seedlings per pot. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.20.

SOLANUM - Jerusalem Cherry

	Tr. pkt.	1/4 oz.
Hlavacek's Masterpiece. A compact type, red	\$0.50	\$1.00
Capsicastrum Nanum. Small red fruit ...	.35	
Cleveland Cherry .....	.25	.75

STATICE, PERENNIAL

	Tr. pkt.	1/4 oz.	Oz.
Dumosa. Clear silvery white ...	\$0.25	\$0.65	\$2.25
Latifolia. Small purplish blue ..	.25	.60	2.00

STATICE SINUATA

The seed of annual Statice is of irregular germination.

Bonduelli. Similar to Sinuata. Yellow.

Kampf's Tall Improved. Extra long-stemmed, deep blue. the best blue.

Lavender Queen. The flowers are a beautiful clear bright lavender.

Rosea Superba.

Hybrid Mixture. A mixture of the above colors.

The above: Tr. pkt., 20c; ½ oz., 35c; oz., 60c.



Statice

STOCKS NON-BRANCHING COLUMN

Immensely fully double close-spaced flowers, one 2 to 2½ ft. spike per plant. This strictly non-branching strain is in very great demand by florists.

Avalanche is definitely the earliest of all White Column Stocks under our growing conditions, and we are sure that this would hold true under most outside growing conditions. It is fully ten days to two weeks earlier than the regular strain of White No. 16.

White Giant is the most outstanding improvement made in White Column Stocks during the past ten years, and we predict a great future for this variety, both for outside planting and sowing under glass.

American Beauty. Deep American-Beauty-Rose.

No. 16 Ball White Improved. Finest early pure white, with extra large florets.

Ball Supreme. Extra long, stiff stems and fine heavy spikes of rich silvery rose.

Ball's White. Sometimes tinged blush.

Blue. Rather deep lilac. Fine color.

Chamois-Pink. Apricot or chamois-pink.

Lilac-Lavender. A very attractive, clear, bright lavender.

Rose-Pink. This is the popular clear rose.

Ruby. Rich crimson-red.

Exquisite Mixed. A well balanced blend.

Any of the above: Tr. pkt., \$1.00; ¼ oz., \$2.50; oz., \$9.00.

Imperial Improved Bismarcks

An especially meritorious class; of branching habit. Very early blooming and producing a high percentage of doubles. 2½ ft. Suitable for greenhouse culture or growing out-of-doors.

Chamois. Ivory tinted rose.

Elk's Pride. Rich purple.

Flesh. Delicate pink.

Fiery Blood-Red.

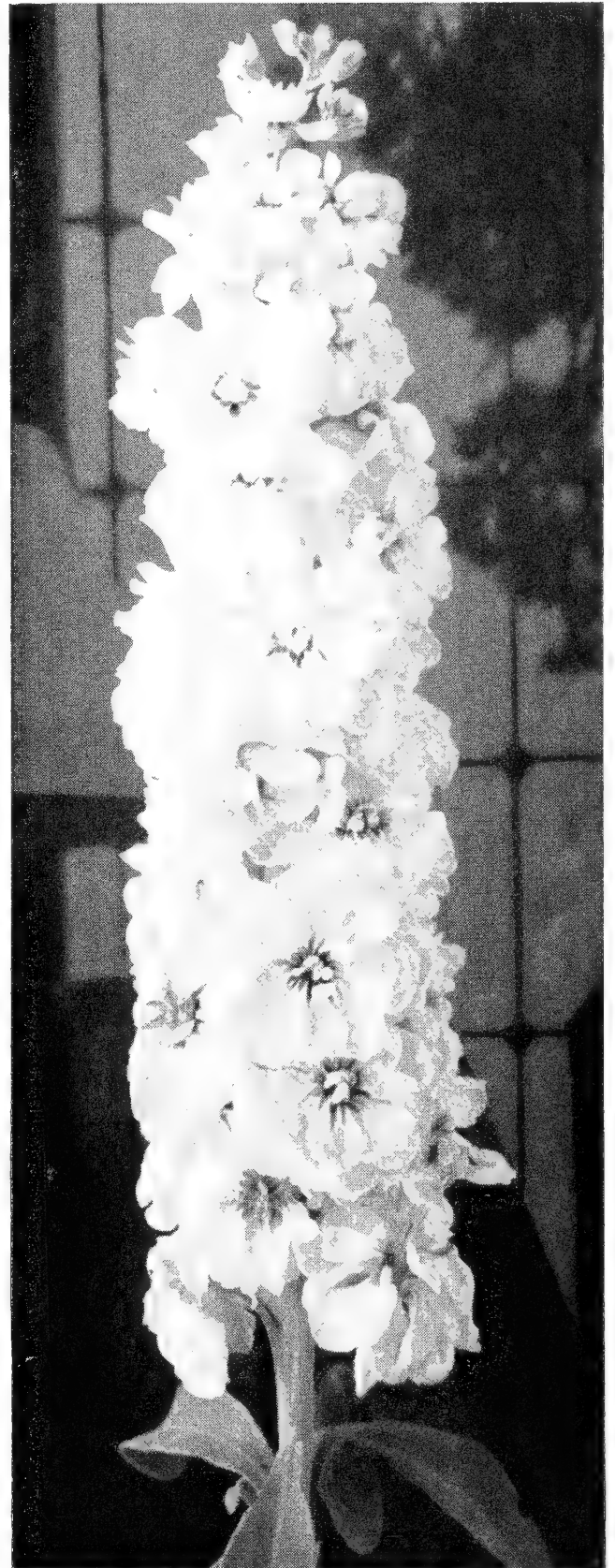
Lilac. Lilac-lavender.

Rose. Deep rose-pink.

Santa Maria. Giant white.

Choice Mixed. Very double.

Any of the above: Tr. pkt., 35c; ¼ oz., \$1.00; oz., \$3.25.



Stock, White Giant

SWEET PEAS SPENCER

Cuthbertson Type

Vigorous, long-stemmed, blooming between early and late Spencer types.

Evelyn. Salmon-cream-pink.

Frank G. Lavender.

Coline. Scarlet.

Janet. White, black-seeded.

Lois. Rose-pink.

Tommy. Mid blue.

Mixed All Colors.

1 oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50.

SWEET PEAS (Continued)

SWEET PEAS

Early or Winter Flowering Spencer

These are all exceptionally large-flowered and long-stemmed.

- American Beauty. A rich crimson-rose.
- Amethyst. Royal purple.
- Apollo. Soft salmon-cerise, long stemmed.
- Ball's Rose Improved. Rich deep rose-pink.
- Ball Rose Queen. The best rose-pink, long-stemmed.
- Ball Orange Improved. Clear deep glowing orange.
- Ball White. Large flowered white, white seeded.
- Boon. Deep salmon-pink.
- Burpee's White. Giant white seeded.
- Blue Bird. A magnificent violet-blue.
- Bridesmaid. A charming deep silvery pink.
- Daphne. Soft salmon-pink; a fine color with long stems.
- Fiesta. A new fine orange-cerise, on long stems.
- Fragrance. Large frilled lavender flowers.
- Harmony. Clear lavender.
- Hope. Pure black-seeded white.
- Hiawatha. A clear deep rose on white ground; large.
- Laddie Improved. Rose.
- Mrs. Herbert Hoover. Bright blue; extra long stems.
- Mrs. H. S. Reddick. Salmon-pink.
- Princess Blue. A belladonna-blue.
- Sequoia. Rich golden cerise with long, strong stems.
- Shirley Temple. A new pink of great value.
- Treasure Island. A sparkling shade of golden orange.
- Triumph. The color is lovely soft lilac-mauve.
- Twilight. Medium clear lavender.
- White Harmony. Black-seeded white.
- Early Flowering Mixed.

Price, all above: 1 oz., 45c; 1/4 lb., \$1.50; 1 lb., \$5.25.



Dianthus Barbatus—Sweet William

SWEET WILLIAM

DIANTHUS BARBATUS (Perennial)

There is always a good demand for these beautiful, single, free-flowering, old-fashioned favorites.

	Tr. pkt.	1/4 oz.	Oz.
Dark Crimson	\$0.25	\$0.50	\$1.75
Holborn Glory .....	.25	.50	1.75
Newport Pink .....	.25	.50	1.75
Scarlet Beauty .....	.25	.50	1.75
White .....	.25	.50	1.75
Single Choice Mixed25	.50	1.75
Double Choice Mixed30	.60	2.00

DWARF COMPACT

Double Mixed	\$0.50	\$1.00	\$3.50
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SWEET WILLIAM (Annual)

Annual Single Mixed. Blooms from seed the first year.
Tr. pkt., 20c; 1/4 oz., 40c.

THUNBERGIA - Black-Eyed Susan

Tr. pkt. 1/4 oz. Oz.
Mixed. Trailer for window and porch boxes .. 1/4 lb., \$3.00. \$0.20 \$0.30 \$0.90

TORENIA FOURNIERI

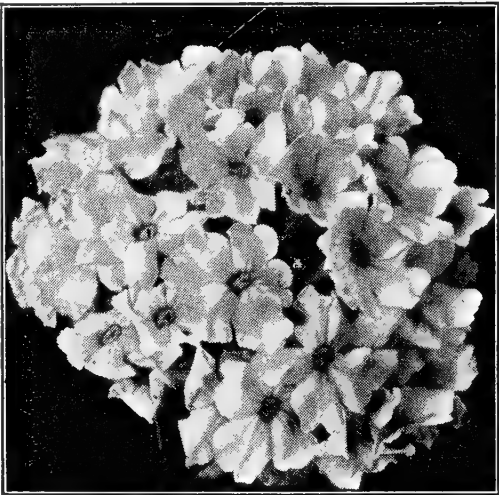
Flowers are sky-blue, blotched dark blue with yellow centers. Tr. pkt., 40c.

TITHONIA

Torch. Torch is good: it is the top winner in All-America selections for 1951—the most important, most publicized flower seed novelty of the year. And Torch is easy: it grows as easily as a Zinnia—thrives on hot weather. It's orange-red, and red is the American public's favorite color. It's a cut flower that blooms from August until frost. But best of all, it's only waist high—compact enough for any garden. Tr. pkt., 50c; 1/8 oz., 65c; 1/4 oz., \$1.40.

TRITOMA - Red Hot Poker

3 Feet
Tr. pkt. 1/4 oz.
Hybrida Mirabilis. Blooms first year \$0.25 \$0.50



Verbena

VERBENA Hybrida Grandiflora

A magnificent strain of robust, compact habit and free blooming.

- Beauty of Oxford Hybrid. Beautiful rose-pink.
- Blue. White eye.
- Lavender Glory. Variable in color. Blue with white eye.
- Luminosa. Fiery pink shading to salmon.
- Royale. Royal blue, creamy yellow eye.
- Spectrum Red. Intense bright red.
- White. Fine.
- Grandiflora Mixed.

Prices of above varieties:
Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.

New Bush Type

- Roselight. Bright rose-pink with white eye. Tr. pkt., 35c; 1/4 oz., 90c; 1/2 oz., \$1.75.
- Salmon Queen. Brilliant salmon-pink.
- Starlight. Bright mid-blue with creamy white eye.
- Bush Type Blend. Mixed.
Tr. Pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.



Zinnias

VERONICA (Speedwell) (Perennial)

Repens. Bright blue, dwarf. Tr. pkt., 35c; ¼ oz., 90c.
Spicata. Bright blue. Fine for bouquets. Tr. pkt., 25c;
¼ oz., 60c.

VINCA ROSEA - Periwinkle

This seed should be sown early to secure salable plants for spring.

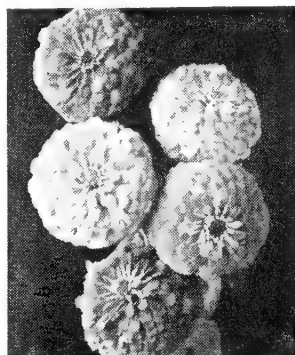
	Tr. pkt.	¼ oz.	Oz.
Rosea Alba. White rose center...	\$0.25	\$0.50	\$1.75
Alba Pura. Pure white .....	.25	.50	1.75
Rosea. Pink .....	.25	.50	1.75
Mixed .....	.25	.50	1.75

VIOLA - Tufted Pansy

	Tr. pkt.	1/8 oz.
Arkwright Ruby. Ruby-crimson shading to terra cotta	\$0.50	\$1.35
Blue Perfection. Clear blue .....	.35	.90
Chantreyland. Best pure apricot .....	.50	1.25
Firmament. Pure sky-blue .....	.35	.75
Lutea Splendens. Sulphur-yellow .....	.35	.75
White Perfection. Pure white .....	.35	.80
Mixed .....	.30	.75



Viola Cornuta



Zinnia Double Lilliput

FLORISTS' ZINNIAS

Bodger's "Gold Medal" Zinnias for Cut Flowers and Garden

The plants are of medium height. Very robust. By sowing outdoors in May and as late as August 1st, in well enriched soil and protected with water, they can be had in fine shape right up to frost.

ZINNIAS

Bodger's Gold Medal Giant Double Dahlia-Flowered

The plants are of medium height, 2½ to 3 ft., very robust, bearing many strong stems of the fully double, huge flowers which resemble the show type of Dahlia.

Canary Bird. Rich canary-yellow.
Crimson Monarch. Deep crimson, flowers very large.
Dream. Deep rosy lavender.
Exquisite. Light rose, deep rose center.
Golden Dawn. Golden yellow.
Illumination. Deep rose self.
Luminosa. Bright deep pink.
Oriole. Orange and gold bicolor.
Polar Bear. Large creamy white.
Royal Purple. Deep rich purple.
Scarlet Flame. Bright scarlet.
Will Rogers. Loveliest, most brilliant scarlet-red.
Gold Medal Finest Mixed. Grown as separate colors.

Prices of Above Varieties:

Tr. pkt., 25c; ¼ oz., 35c; 1 oz., \$1.00; ¼ lb., \$3.50.

Double Lilliput

The Lilliputs are among the most popular Zinnias for cut flower use. The flowers are small, compact, and symmetrical, on strong stemmed, 1½ to 2 ft. plants.

Canary Gem. Canary-yellow. **Rosebud.** Rose-pink.
Crimson Gem. **Salmon Gem.**
Golden Gem. Golden orange. **Scarlet Gem.**
Lilac Gem. **White Gem.**
Lilliput. Pastel Mixture.

Prices of Above Varieties:

Tr. pkt., 25c; ¼ oz., 35c; 1 oz., 90c; ¼ lb., \$3.00.

Elegans Pumila Dwarf Double (Cut-and-Come-Again)

Canary-Yellow. **Salmon-Rose.**
Crimson. **Scarlet.** Bright scarlet.
Pinkie. Rose-pink. **Snowball.** White.
Elegans. Finest Mixed.

Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; ¼ lb., \$2.50.

Miscellaneous Types

Gracillima (Red Riding Hood). 1 foot high, splendid for bedding. Tr. pkt., 25c; ¼ oz., 40c.

Linearis. The plants grow about 1 foot high. The flowers are a beautiful orange-yellow color. Tr. pkt., 25c; ¼ oz., 50c.

Star Dust. Rich, deep, golden yellow.

Wildfire. Dazzling scarlet.

Crown of Gold Pastel Tints. A mixture of pastel tints and contains a wide color range. Above 3 varieties:

Tr. pkt., 25c; ¼ oz., 40c.

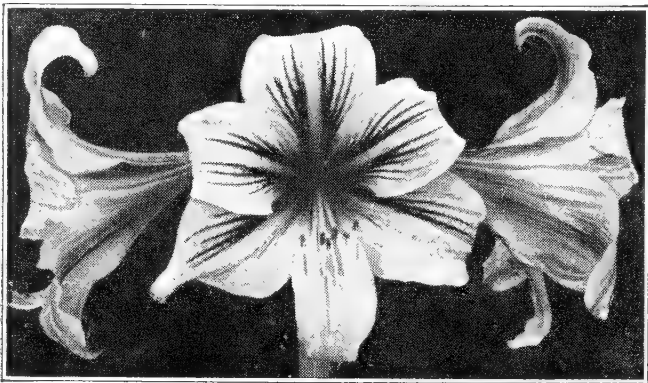
SUMMER FLOWERING BULBS

AMARYLLIS

(Large Flowering Hybrids)

These bulbs will make handsome pot plants for window display during the spring. Light and red shades, mixed.

	Doz.	100
Select Bulbs. 3 inch	\$3.60	\$25.00



Amaryllis

BEGONIAS—Tuberous Rooted

Double Camellia Type. Ready Jan. to March. The largest and most popular of the double forms. Individual flowers 5-8" in diameter. Nice for corsages and other cut flower purposes. Red, yellow, rose, scarlet, white, orange, salmon, mixed. Large bulbs, 2 inches. Doz., \$2.25; 100 for \$15.00.

BLEEDING HEARTS

Used extensively as an early spring pot plant. Fine for Valentine's Day. Blooms outdoors in early spring. Hardy.

	Doz.	100
3 to 5 Eyes	\$3.80	\$28.00
5 to 8 Eyes	\$4.80	36.00



Caladium, Fancy-Leaved

CALADIUM - Fancy-Leaved

Choice dormant bulbs for January and February delivery. Our mixture of named sorts is probably the best to be had. We have graded them especially for good size bulbs of the finest varieties.

Fine assortment of highly colored, separate named varieties:

	Doz.	Per 100
No. 1, 1½ to 2 inches	\$2.50	\$17.00

CALADIUM ESCULENTUM—

Elephant's Ear

Much used for bordering Canna beds or sub-tropical plantings.

	Doz.	100
Selected Size Bulbs. 7 to 9 inches	\$2.00	\$14.00
Extra Large Bulbs. 9 to 11 inches	3.00	20.00

CANNAS (Large Flowering)

Dormant Roots

Our Canna roots are strong and healthy. The varieties listed below have proven indispensable where large exhibition showings are needed.

City of Portland. Deep pink. Green foliage. 3½ feet. Extra good flowers.

King Humbert. This remarkable Canna is the greatest favorite. Broad, tropical foliage. Scarlet flowers; bronze leaves. 4 feet.

Yellow King Humbert. 4 feet. An orchid-flowering sport of the well-known King Humbert. Flower is a deep rich yellow, softly spotted and blotched with bright red.

Some plants occasionally give a scarlet or scarlet striped flower.

The President. 4 feet. This immense flaming scarlet has come into wider use more quickly than any other Canna. The President leads the red varieties in the quality and also the quantity of its bloom. The foliage is rich green.

Prices above Cannas: Per 100, \$6.50; per 1000, \$60.00.



Cannas

GLOXINIAS

Flowers richly colored and easily grown.

	Doz.	100
Ready Jan. to March. Mixed colors ..	\$2.50	\$16.50

HARDY LILIES

Lilium Regale. (Oregon grown.) The flowers are white, shading to yellow in the center, with a pink tinge on the outer edge. A strong grower, some 3 to 4 ft. high.

	Doz.	Per 100	Per case
7- 8 inches—250 to case ...	\$2.00	\$10.00	\$24.00
8- 9 inches—200 to case	2.50	14.00	26.00
9-10 inches—150 to case	3.50	21.00	30.00

LILIUM CROFT

Lilium Croft. Special selected Strain grown in Oregon. Unquestionably the finest Lily for pots and for cut flowers.

	Per 100	Per case
7-8 inches—250 to case	\$26.50	\$62.00

TUBEROSES

	100	1000
Single Everblooming. Our bulbs are secured from dependable growers	\$6.00	\$50.00

GLADIOLUS
For Forcing — Outside Planting

Delivery can be made any time from January 1st to May 15th; and you may be assured that every effort will be made to handle your order efficiently, promptly and to your entire satisfaction. Prices are subject to change. If in need of large quantities, send us your list for a special quotation.

We carry a large stock of No. 2 size. If in the market, please write for market price.

	First Size	
	100	1000
Beacon. Red-salmon with cream throat, very tall. Medium early	\$2.50	\$20.00
Betty Nuthall. Clear coral with deeper throat lines. Excellent cut flower	2.50	20.00
Blue Beauty. One of the finest medium deep blues. Fine early commercial ..	3.50	30.00
Corona. Creamy white, cream throat with rosy lavender flecks at edges	4.00	35.00
Debonair. La-France-pink, cream throat	2.50	20.00
Dr. F. E. Bennett. Peach-red, overlaid with scarlet	2.90	24.00
Elizabeth The Queen. Extra fine new lavender, beautiful ruffled needle point bloom, darker than Minuet. Excellent commercial	4.00	35.00
Ethel Cave Cole. Large, massive spikes of light pink self color	3.50	30.00
Gold Dust. Extra fine deep yellow	2.70	22.00
Lady Jane. Clear glistening cream, ruffled	3.50	30.00
Leading Lady. Creamy white with a lemon-yellow throat. Famous the world over. A well grown spike of Leading Lady still offers stiff competition at the shows. Also a fine cut-flower variety	4.00	36.00
Margaret Beaton. Snow-white with a tiny scarlet eye deep in the throat	3.00	25.00
Margaret Fulton. Coral-pink, to trifle lighter throat; tall spike. Early	2.50	20.00
Maid of Orleans. Beautiful milky white with cream throat. Tall, sturdy grower with eight or more flowers open	2.50	20.00
Minuet. Light lavender with ideal spike. One of the best	3.00	25.00
Miss Bloomington. Six to eight large, perfectly placed, rich lemon-yellow blooms open at a time. Considered the best yellow variety	2.50	20.00
Picardy. The most popular of all Gladioli. Color is a beautiful light salmon. Tall, strong grower with extra large florets	3.00	26.00
Purple Supreme. Outstanding tall bright purple. Superb cut flower	3.50	30.00

	First Size	
	100	1000
Rosa Van Lima. Pure self colored light pink. Many flowers open at one time.	\$2.50	\$20.00
Silentium. White blending to cream, with carmine marking in throat	3.50	30.00
Silver Wings. Glistening white with a touch of cream in the throat. It will open up to 8 heavily ruffled 6 inch florets on long spikes. Very rapid increaser. Fine commercial or exhibition variety	3.50	30.00
Snow Princess. A fine large, pure white.	2.50	20.00
Stoplight. Fine textured clear medium deep red. Excellent cut flower. Perfect placement	3.50	30.00
Token. An extra early flame-salmon, clear yellow throat	2.50	20.00
Valeria. Very large, light scarlet	3.50	30.00
Wanda. Creamy pink sport of Picardy. Like Picardy except color. Midseason	3.50	30.00
White Gold. Another heavily ruffled white shading into a cream throat. It opens up to 8 florets on a long flower head.	4.00	35.00
Florist's Superfine Mixture	2.50	20.00



HAVE A BEAUTIFUL LAWN AND GARDEN!

- Don't be satisfied with a sparse, spotty lawn. You can very easily have one that's 'the finest in the neighborhood.'
- Feed Your lawn with VIGORO Complete Plant Food!
- Vigoro supplies all growing plants with the nourishment needed from the soil for normal, healthy growth. Vigoro is clean, odorless, sanitary, and easy to use. It's economical, too, you need only 3 pounds per 100 square feet of lawn area.

PRICES

100 lb. bag.....	\$4.25
50 lb. bag.....	2.65
25 lb. bag.....	1.60
10 lb. bag.....	.90
5 lb. bag.....	.50
1 lb. bag.....	.15

- Keep your flowers and vegetables free of insects and disease . . . dust them regularly with End-o-Pest. It's the protection all gardens need from chewing and sucking insects and most fungus diseases. In a handy, refillable dust gun.

PRICES

Dust gun pkg.	
Applicator Gun (complete).....	\$0.79
Refill Cartridge.....	.59
Economy 2 lb. Can.....	1.79
Sifter Top Can.....	.25

- Have a weed-free lawn . . . spray 'em out with End-o-Weed Selective Lawn Weed Killer. Kills over 100 kinds of lawn weeds, roots, stems and all without harming ordinary lawn grass or soil.

PRICES

½ Pint Can.....	\$0.98
Quart Can.....	2.69
Packet.....	.10
'Side-Spray' Applicator.....	.29
(½ pint treats 2,000 sq. ft. of lawn).	

*Swift's trademark
for complete
plant food

3 great gardening aids

Presented by **SWIFT & COMPANY**

FERTILIZER

A Necessity to All Growing Plants

Prices quoted subject to market changes.

VIGORO CG

Commercial growers 8-8-8. Analysis with minor elements. Complete plant food. Packed 80-lb. bags. Per bag, \$3.55; 5 bags, \$2.80 per bag.

VIGORO AZALEA & CAMELLIA SPECIAL

Acid base, 6-8-8. Complete plant food. 5-lbs., 55c; 10 lbs., \$1.00; 25-lbs., \$1.80; 100 lbs., \$5.50.

SWIFT'S BLENN 3-12-12

A well balanced plant food for commercial use on grain crops, alfalfa, soybeans and legumes and grass pastures. 80-lb. bag, \$2.45; ton, \$54.10.

SWIFT'S BRIMM 3-9-18

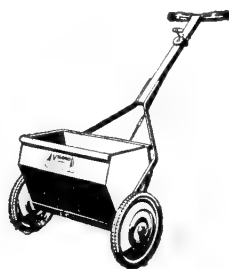
Especially adapted for soils and crops needing additional potash. 80-lb. bag, \$2.60; ton, \$56.05.

SWIFT'S BONRO 10-52-17 Analysis

High analysis instantly soluble low cost plant food ideal for forcing plants, transplanting solution, etc. 3-lb. bag, 85c; 50-lb. bag \$10.00.

PLANT FOOD SPREADER

A good spreader assures better results because it applies fertilizer or seed evenly and accurately. Quickly adjustable. Simple to operate.



Model "BR" 18-inch width, 25-lb. capacity. Price, \$8.40. Shipping weight, 11 lbs.

Junior Spreader. 18-inch width, 50-lb. capacity. Price, \$11.35. Shipping weight, 23 lbs.

Standard Spreader, 24-inch width, 80-lb. capacity. Price, \$32.75. Shipping weight, 65 lbs.

SPECIAL SPREADER, 36-inch width, 110-lb. capacity. Price, \$42.70. Shipping weight, 50 lbs.

VIGORO COMPLETE PLANT FOOD

Available
6% Nitrogen 10 % Phosphoric Acid 4% Potash

	Dealers price
1 lb. pkg., 32 1-lb. pkgs. to case	\$ 2.88
5 lb. pkg., 12 5-lb. pkgs. to case	3.84
10 lb. pkg., 6 10-lb. pkgs. to case	3.54
25 lb. pkg., per ton	74.00
50 lb. bag, per ton	74.00
100 lb. bag, per ton	58.00

FOR ORCHARD AND FIELD CROPS

We are distributors for Swift & Co. Red Steer Fertilizer, also Armour Big Crop Fertilizer. 80-lb. paper bags.

	Available			
	Nitrogen	Phosphoric Acid	Potash	Per Ton
8-24- 8—	8%	24%	8%	.....\$83.45
8- 8- 8—	8%	8%	8%	..... 59.65
4-24-12—	4%	24%	12%	..... 75.15
4-12- 4—	4%	12%	4%	..... 49.60
3-12-12—	3%	12%	12%	..... 50.40
3- 9-18—	3%	9%	18%	..... 52.40
2-12- 6—	2%	12%	6%	..... 43.15
0-20-20—	0%	20%	20%	..... 63.80
0-20- 0—	0%	20%	0%	..... 38.65

AGRICULTURAL GYPSUM

Agricultural Gypsum controls moisture and aids germination. Roots drive deeper as gypsum conditions the soil and growing crops are fed with calcium and sulphur. Gypsum is guaranteed to contain a minimum of 93% pure gypsum (CaSO₄, 2H₂O) or equivalent, packed in 100-lb. bags, market price.

GARDEN AND LAWN FERTILIZER

A Necessity to All Growing Plants

The highest grade only Guaranteed analysis. All f.o.b St. Louis. Price subject to market change.



ARMOUR VERTAGREEN

Vertagreen is a high quality, scientifically blended and balanced plant food, excellent for obtaining more prolific growth of lawns, flowers, shrubs, trees and garden vegetables. It is clean, odorless and easy to apply.

Vertagreen contains 5% nitrogen, 10% phosphorus and 5% potash, the three major plant foods, in addition to several other elements essential to successful plant germination.

Dealers price

1-lb. pkg.,	\$0.15.	32 1-lb. pkgs. to case,	\$ 2.88
5-lb. pkg.,	.50.	12 5-lb. pkgs. to case,	3.84
10-lb. pkg.,	.90.	6 10-lb. pkgs. to case,	3.54
25-lb. pkg.,	1.60.	Per ton	84.00
50-lb. bag,	2.65.	Per ton	74.00
100-lb. bag,	4.25.	Per ton	58.00

ARMOUR'S VERTAGREEN 10-8-6

A concentrated fertilizer for lawns, trees, shrubs and ornamental plants. For garden or lawn use. 100 lbs. for 50x100 ft. 100 lb. bag, \$4.25; ton, \$68.00.

ADCO

A powder which, mixed with vegetable matter and kept moist, turns the latter into real manure, but without the odor, flies, etc. Directions enclosed in bags. 5-lb. pkg., \$1.00; 20-lb. bag, \$2.50.

ALUMINUM SULPHATE

For making acid soil. Also used in benches that contain too much lime. 10 lbs., 75c; 100 lbs., \$3.50.

AMMONIUM NITRATE—32.5 % Nitrogen

100-lb. bag, \$5.00.

BIG CROP 4-12-4

A well balanced plant food for commercial growers for feeding and making potting soil. Use 5-inch pot for wheelbarrow of earth. For grain and corn use 500 lbs. per acre. 80-lb. bag, \$2.35.

BONE MEAL 2-24

Best grade of steamed bone for general use. 2% nitrogen, 24% phosphoric acid. Used under glass or outside for nearly all plants. 100-lb. bag, \$5.50; ton, mkt. price.

CATTLE MANURE (2% Nitrogen, 1% Total Phosphoric Acid, 1% Potash)

This is a very high grade material, heat dried, and free from straw, being all pure cattle manure. 50-lb. bag, \$1.70; ton, \$58.00.

COTTON SEED MEAL

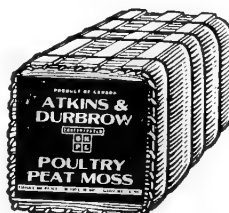
An organic fertilizer containing nitrogen, phosphoric acid and potash. A valuable fertilizer for acid loving plants. Will tend to keep the soil acid and supply plant food in one application. Apply at the rate of 5 lbs. per 100 sq. ft. 25 lbs., \$2.00; 100 lbs., \$5.50.

DRIED BLOOD (13% Nitrogen)

For indoor culture of flowering plants, Roses, Carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. Price, 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.50; 100 lbs., \$15.00.

HARDWOOD CHARCOAL (Granulated Fine)

For mixing in soil in seed flats, cutting benches and pot plants. 50-lb. bag, \$3.50.



HORN DUST (13% Nitrogen)

Best used for mixing potting soil; quick acting. 50-lb. bag., \$8.50.

HYDRATED LIME

Used to neutralize acid soil on lawns and gardens. Use 50 lbs. for 20x100 ft. 10-lb. bag, 30c; 50 lbs., 75c.

IRON SULPHATE

(Copperas, also Ferrous Sulphate)

Useful for developing and maintaining rich dark green foliage on Azaleas. Dissolve 4 ozs., in 5 gals. of water. Spray every two weeks, washing off foliage immediately after spraying. 5 lbs., 50c; 10 lbs., 75c; 100 lbs., \$3.50.

LOMA 5-10-5

Use Loma for feeding Carnations, Snapdragons, and all greenhouse plants. 5-10-5. 100-lb. bag, \$4.25; ton, \$60.00.

MINNESOTA HORTICULTURAL PEAT

Black Peat, fine for seed flats and potting soil. Approx. 3-bu. bag, \$2.65.

MINERALIZED LOMA 8-8-8

Guaranteed fertilizer analysis of 8-8-8 plus all the essential mineral elements. Complete analysis on bag. 100-lb bag, \$7.50.

MILORGANITE

A unique plant food, scientifically prepared, free from weed seed and all harmful organisms. For lawn and garden use 100 lbs. for 50x100 ft.

	Retail	Dealers Price
25-lb. bag	\$1.50	\$84.00 per ton
50-lb. bag	2.50	72.00 per ton
100-lb. bag	4.10	56.00 per ton

MURIATE OF POTASH—62% Potash

The chief use of Muriate of Potash is the stimulation of root growth. 100-lb. bag, \$5.50.

NITRATE OF SODA

16 per cent inorganic nitrogen, readily soluble and quickly available for side or top dressing, or in liquid manures. 10 lbs., 85c; 25 lbs., \$1.50; 100 lbs., \$5.00.

NuGreen—44% Nitrogen

DuPont fertilizer compound for top or side dressing or by foliage application through leaves. 80 lb. bags, \$6.40 each.

PEAT MOSS, Horticultural

Adds organic matter, improves the texture, conserves moisture and aerates the soil. Gardeners use Peat Moss for packing and storing bulbs, such as Cannas, Dahlias, etc. Large standard bale, \$3.95.

SHEEP MANURE—Pulverized (2% Nitrogen, 1% Total Phosphoric Acid, 2% Potash)

This is a pure, natural manure. It is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. 50-lb. bag, \$1.70; ton, \$58.00.

SUPER PHOSPHATE

(20% Phosphoric Acid)

Used for Carnation soil and other crops requiring phosphoric acid. For grain and Corn use 500 lbs. per acre. 80-lb bag, \$2.10.

SULPHATE OF AMMONIA

Highly concentrated, quick acting. Particularly desirable for lawns and gardens. 10 lbs. covers 2500 square feet or 50x50 feet. 10 lbs., 85c; 100-lb. bag, \$5.00.

TOBACCO DUST

Fine powdered Tobacco. Used principally as a ground covering in greenhouses to repel insects. 100 lbs., \$4.50.

TRI-GEN ROSE FOOD

A 5-10-5 Rose food made from organic (long lasting) and inorganic (quickly available) materials:

	Dealers	Consumers
5 lb. bags 12 to case	\$7.20 case	\$1.00 bag
10 lb. bags 6 to case	5.70 case	1.60 bag

VITAMIN-HORMONE STIMULANTS

HYPONEX

Contains all of the known major and minor elements of plant food with vitamin B-1 added. Analysis 7% Nit., 6% Phos., 19% Pot. 1-lb. can makes 100 gals., \$1.00; 25-lb. drum, makes 2500 gals., \$10.00; 50-lb. drum, makes 5000 gals., \$16.65; 100-lb. drum, makes 10,000 gals., \$26.65.

NEW PLANT LIFE

A LIQUID PLANT FOOD. ½ teaspoon makes 1 quart of complete fertilizer. 3-oz. bottle, 25c; 2 doz. to case, \$4.00; gal., \$4.00.

PLANTABBS

A widely advertised fertilizer and stimulant in tablet form made especially for potted plants. Now contains Vitamin B-1. Pkg. of 30 tablets, 25c; 200 tablets, \$1.00; 25c size, \$2.00 per doz. \$1.00 size, \$8.00 per doz.

RA-PID-GRO

Nitrogen form Urea—Analysis 23-21-17. Soluble in water and can be fed through the roots or foliage. 1 lb., \$1.25; 5 lbs., \$4.50; 25 lb. drums, \$14.00.

APP-L-SET

A plant hormone, containing Alpha Naphthyl Acetic Acid, to reduce pre-harvest drop of Apples and Pears. ¼ pound makes 100 gallons of spray. ¼-lb. can, 50c; case of 24 cans, \$9.60.

SURE-SET DOW

Sure-Set contains a plant growth control agent which overcomes the delay in the setting of fruit caused by low night temperatures. Dilute ½ pint to 3 gals. water and spray blossoms only. 4-oz. bottle, 85c.

DOW SPROUT INHIBITOR

22% Methyl Ester Alpha Naphthyl Acetic Acid mixed with a carrier and used as a dust on a variety of stored vegetables, particularly Potatoes, to reduce sprouting and shrinkage. One pound treats 11 bushels of Potatoes. 1-lb. cans, \$1.00.

FRUITONE

FOR BETTER SET OF FRUIT OR SEED
More Tomatoes and More Seedless Tomatoes
with Fruitone.

This plant hormone spray will help develop a better set and a bigger crop of Tomatoes. Dilution: 2-ozs. to each 25 gals. of water. 2/5-oz. pkt. 25c per pkt., dozen, \$2.00; 2-oz., can, \$1.00; 12-oz. can \$5.00.

Inoculate all Legume Seeds with

NITRAGIN

1898—FIFTY-THREE YEARS OF SERVICE—1951

When ordering, Always state name of seed

COMBINATION (AB)		SOYBEANS (S)	
Size	Retail	Size	Retail
1 bu. ea.	\$.50	2 bu. each.	\$.35
2 bu. ea. ....	.90	5 bu. each. ....	.55

ALFALFA (A)
Swt., Bur. Hubam Clovers
1 bu. each\$.50

CLOVERS (B)
Red, Alsike, Crimson,
White and Ladino.
1 bu. each\$.50

LESPEDEZA (L)
100 lb. size (Inoculates
up to 100 lbs.) ..\$.50

PEAS, (C)
VETCHES(AllVarieties)
100 lb. size (Inoculates
up to 100 lbs.) ea.\$.50

BEANS (D)
Navy, Pinto, Wax,
String, Kidney and
Great Northern

1 bu. ea.\$.50

PEANUTS, (E)
COW PEAS (E)

2 bu. each.\$.35
5 bu. each.55

GARDEN SIZE—Peas, Beans, Sweet Peas, Lupines,
Lima Beans and Edible Soybeans

Enough for 8 lbs. seed — Retail Price 15c each



HORMODIN POWDER

Root Cuttings Faster—Better

No matter what plant you are growing from cuttings, you will have better results if you treat them with Hormodin.

Powder No. 1—Used on most soft wooded subjects grown by florists. 1¾-oz tin, 50c; 1 lb., \$3.00.

Powder No. 2—For more difficult subjects. 1¾-oz. tin, 75c; 1 lb., \$4.50.

Powder No. 3—Used for hard wooded and hard to root items. 1-oz. tin, \$1.00; ½ lb., \$4.50.

ROOTONE

Reg. U. S. Pat. Off.

HORMONE POWDER FOR CUTTINGS

Rootone, the plant hormone powder, for cuttings, seeds, tubers and bulbs. Just dip the base of the cutting or slip in Rootone, set in sand.

¼-oz. pkg., 25c size, doz. pkgs.\$2.00

2-oz. jars (up to 3,000 cuttings.) 1.00

1-lb. pkg. (up to 30,000 cuttings.) 5.00

ROOTONE No. 10

2½ times stronger than the standard. For woody cuttings. For slow to root Evergreen cuttings.

2-oz. jar\$ 2.00

1-lb. can 10.00

TRANSPLANTONE

FOR TRANSPLANTING

Transplantone, the hormone-vitamin powder for stimulating roots in transplanting. Makes shrubs, trees and plants in general, take root faster. Produces earlier maturity and larger crops when used on Tomato, Cabbage, Celery, Lettuce, Tobacco and sweet Potato plants. One level teaspoon makes one gallon. Booklet of directions with each package.

3-oz. cans\$1.00 Doz. cans\$8.00

1-lb. cans 4.00

FUNGICIDES FOR SEED, GRAIN, BULBS

Arasan (DuPont). Seed disinfectant for reducing damping-off of certain seeds. 1 oz., pkt., 25c.

CERESAN NEW IMPROVED

A dust disinfectant for Wheat, Oats and Barley. One pound treats 32 bushels of seed. Excellent to control fusarium crown rot and dry rot on Gladiolus. Use at the rate of 1 lb. in 25 gallons of water, plus 5 tablespoons Grasselli Spreader.

1/3 oz.\$0.10

4 ozs.35

1 lb.90

4 lbs. 3.00

2% CERESAN (DuPont)

A dry seed disinfectant for Cotton, Peas, and for reducing losses caused by basal rot of Narcissus. 1 lb. can, 90c.

SEMESAN

A general disinfectant for vegetables and flower seeds or bulbs, and certain plant diseases.

2 ozs.\$0.45

12 ozs. 2.10

SEMESAN BEL

A dip disinfectant for seed Potatoes. One pound treats from 60 to 80 bushels.

2 ozs.\$0.35

1 lb. 1.85

25-lb. Drum 24.00

100-lb. Drum 93.00

TERSAN 75%

A DuPont fungicide for golf and lawn turfs, will prevent large brown-patch and dollar spot. 3 lb. bag, \$6.75; case of 12 3 lb. bags, \$62.00.

INSECTICIDES AND FUNGICIDES

NOTE: All prices listed are subject to change. To the best of our knowledge, prices on supply items in this catalog conform to existing price established as of the date this catalog was issued.

ARSENATE OF LEAD

A stomach poison used to combat most chewing insects. 1 lb., 75c; 4-lb. bag, \$1.85.

BRIDGEPORT AER-A-SOL

Flies, Mosquitoes, Gnats

Spray 6 to 8 seconds in average size room. Spray screens, window frames and over beds at night for mosquitoes. Each \$1.75; dealers doz., \$15.20.

BENZO-FUME AZOBENZENE PRESSURE FUMIGATORS

1 lb., to each 10,000 cu. ft. For controlling greenhouse red spider in Carnations, Chrysanthemums and many other crops. 1/2-lb. can, 12 to case, \$3.20. 1-lb. can, 12 to case, \$5.50.

BLACK LEAF AEROSOLS

Insect killer for use in the home. 12 oz. can, \$1.45; case of 12, \$11.60.

BLACK LEAF 40

Nicotine sulphate for use against aphids, thrips and other sucking insects. Mainly used for outdoor crops because of its prolonged action.

1 oz.	\$0.35	Dozen	\$ 2.79
5 ozs.	1.00	Dozen	8.55
1 lb.	2.40	2 lbs.	4.15
5 lbs.	7.40	10 lbs.	12.65

BLACK LEAF ROTENONE DUST

1% Rotenone and 10% Sulphur on a special carrier material. Controls Mexican Bean Beetles and other chewing insects. 1 lb., 35c; 5 lbs., \$1.25.

BLACK LEAF GARDEN DUST

A combination of nicotine, rotenone, pyrethrum. Black Leaf Garden Dust controls many of the common chewing and sucking insects and fungous diseases.

	Retail		Dealers Price
1/2-lb. tins	\$0.65	Doz.	\$5.10
1-lb. tins	1.15	Doz.	9.20

BLOT

For red spider control. Use at the rate of 1 pint to 100 gals. of water. Qt., \$4.50; gal., \$15.50. Case of 4 gals., \$15.00 per gal.

BORDEAUX MIXTURE (Dry)

For blight, mildew, rust, etc. Use for dry dusting or spraying. Dilute 1 pound to about 6 gals. of water. Lb., 50c; 4 lbs., \$1.25.

CERT-O-KILL

A 25% DDT concentrate. Use at the rate of 2 qts. to 100 gallons of water. Effective control of leaf hoppers, tarnish plant bug, etc. Gal., \$5.90.

COPPER 8 Fungicide

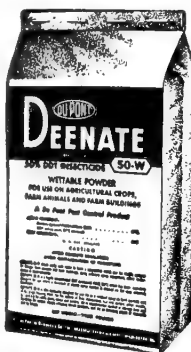
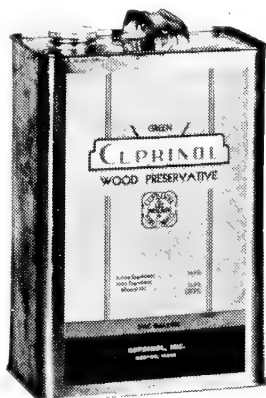
Fungicide active ingredients. Copper 8 Quinolinate, Quart \$7.00.

COPPER SOLUTION (Cusol)

A spray which controls most fungous diseases as well as stimulates plant growth. Gal., \$4.90.

COPPER SULPHATE (Blue Stone)

10 lbs., \$2.25; 25 lbs., \$4.75; 100 lbs., \$14.75.



CUPRINOL No. 10

For wood. Dyed green for use on exterior and interior surfaces. Stops rot, fungus and wood destroying insects. Covers approximately 400 sq. ft. to the gallon. Will not harm plants.

1 gal.	per gal.,	\$3.90
5 gals.	per gal.,	3.65
50 gals.	per gal.,	3.50

CUPRINOL FOR FLORISTS No. 14

Especially recommended for dipping and will result in a considerable saving to the grower in the protection of flats and stakes. In dipping the flats should be immersed in the liquid from 4 to 5 minutes. 5-gal. can, \$2.35 per gal.; 50-gal. drum, \$2.20 per gal.

CUPRINOL CLEAR No. 20 WOOD PRESERVATIVE

This grade is for use over stains or where surfaces are to be left a natural finish. Gal. \$3.90; 5 gal., \$18.25.

CUPROCIDE—Yellow

Fungicide plant spray for controlling blight. 3 lbs. makes 150 gallons of spray. 1 lb., 75c.

CYANOGAS G-FUMIGANT (Calcium Cyanide)

Excellent to control white fly, mealy bugs, leaf tiers and many other hard to control insects. Use 1/4 oz. per 1000 cu. ft. 5-lb. cans, \$3.75; 25-lb. cans, \$12.50.

CYANOGAS FOOT PUMP

Especially designed for applying Cyanogas A-Dust. Ruggedly constructed; lasts indefinitely. Price, \$12.25.

CYANOGAS "A"—DUST

For outside use in killing ants, rats, moles, woodchucks, gophers and ground squirrels. 1 lb., \$1.25; 5 lbs., \$3.75; 25 lbs., \$12.50.

CYANOGAS—Ant Killer

Does not rely on feeding habits of the ants. It kills them with gas. 4-oz., 50c size. Doz., \$3.60.

DDT 5% DUST

Swift's Gold Bear Brand. 50 lb. bag., \$5.50.

DEENATE 50W (DDT)—Wettable

A wettable powder containing 50% DDT which mixes readily with water and can be used for spraying crops. Recommended dosage for horticultural crops is 1 to 2 lbs. per 100 gallons of water. 1 lb., 85c; 4-lb. pkg., \$1.90; case of 12 4-lb. pkgs., \$1.70 per pkg.

DETEX—25% Liquid

Liberty's DETEX. Correct dilution instructions on each can. Controls thrips, midge, leaf rollers, mealy bugs, leaf tiers, aphids, leaf hoppers, white fly. Qt., \$3.00; gal., \$10.00.

DIKILZ DUST

Hammonds DDT Dust—1 lb., 35c; 5 lb., pkg., \$1.20.

INSECTICIDES AND FUNGICIDES—Continued

DITHANE Z-78—Rohm & Haas Fungicide

Dithane helps you control many diseases of numerous vegetables and ornamentals. Dithane is safe to foliage, blossoms and fruit of tomatoes, cucumbers and cantaloupes. Dithane sprays and dusts include Azaleas, Carrots, Celery, Gladiolus, Grapes, Hops, Lima Beans, Onions, Peppers, Snap Beans, and Tobacco seedlings. 3 lb. bag, \$2.65.

DOGZOFF—Liquid

Protection against all animals. Spray on lawn or around objects to be protected. Lasts a long time. 3 oz. bottle, 75c; Doz., \$6.00; 12 oz. Aerosol Dispenser, \$2.25; Doz., \$18.00.

DOW 9-B SEED PROTECTANT

Controls Fusarium Rots of Gladiolus
Fusarium brown rot (corn rot, bulb rot, Picardy rot) and fusarium yellows disease are usually responsible for more loss of corms than any other disease affecting Gladioli. Freshly cleaned corms may be soaked in a mixture of 1½ pounds of Dow 9-B plus 2 pounds Fermate (or Ferradow) in 50 gallons of water. The corms are soaked for 5 to 30 minutes. 5-lb. cans, \$3.25 per can.

DOW'S DDT 50%—Wettable

A wettable powder especially prepared to mix readily with water for spraying. Contains 50% DDT. High DDT content gives sprays with minimum visible residue—an advantage on many crops. 4-lb. pkg., \$1.90; case of 12 4-lb. pkgs., \$1.70 per pkg.

DOWFUME MC-2

A methyl bromide compound that has been found excellent to kill all weeds, weed seeds and soil insects including nematodes. It is used at the rate of 1 lb. per 100 sq. ft. applied under a gas proof cover, Visqueen Film or Sisal Kraft. Permits planting within 48 hours. Case 24 1-lb. cans, \$19.20; Jiffy Applicator with 20-ft. plastic tubing, \$4.75; with 10-ft. plastic tubing, \$3.75.

DOWFUME G

New rapid setting fumigant. Especially toxic to nematodes, eel worms, soil insects, millipedes, centipedes, pill bugs, etc. Permits replanting in 2 to 4 days. No waiting for root galls to decay. Permits one bench fumigation. Not injurious to nearby plants. Easily and economically applied. Water seal is only covering needed. 2 3/10 gals. to 1000 sq. ft. 10-gal. drum, 110 lbs. net, \$35.00.

DOWFUME G APPLICATORS

Highly satisfactory hand applicators. Adjustable for varied dosage. Will give years of service. Each \$20.00.

GARDEN DOWFUME

A soil fumigant containing Ethylene Dibromide. Very effective in controlling nematodes, wire worms, and other soil insects in home gardens. 1 gal. treats 400 sq. ft. 1-gal. can, \$1.75.

DN SULPHUR DUST No. 10

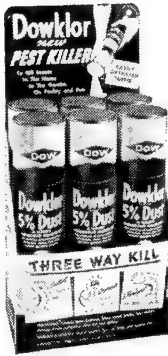
To control spider mite on Carnations only. Do not use on open flowers. 10-lb. bag, \$3.00; case of 5 10-lb. bags, \$12.50.

DN DUST No. 12

For use to control spider mite, thrips, and rust on Roses, Callas, Snaps, Gardenias and Carnations. 10-lb. bag, \$4.50; case of 5 10-lb. bags, \$20.00.

DOWKLOR-40% -WETTABLE POWDER

Active ingredient, Chlordane. Suitable for use either as a wettable powder or a dust concentrate. Excellent control for grasshoppers, ants, crickets, alfalfa weevil, roaches, fleas, lice, flies, ticks, chiggers, and a wide variety of insects attacking fruits and vegetables. Leaves a visible residue. 4-lb. bag, per lb., 80c; 100-lb. drums, per lb., 59c.



DOWKLOR 72% EMULSIFIABLE

This formulation is diluted in water to give emulsions containing Chlordane. Can be used for the same purposes as the wettable powder. 1 gal. bottle, per gal., \$10.75; 5 gal. drum, per gal., \$10.50.

DOWKLOR-5% -DUST

A finished dust formulation for use against both agricultural and household insect pests. Controls same insects as DOWKLOR-40% Wettable. 1-lb. duster cans, 60c; Doz., \$5.40.

DOW ROTODOW

Dust is ready for immediate use. Non-poisonous, kills by contact, both chewing and sucking insects. 1 lb. can, 35c; doz., \$3.12.

DN DRY MIX—Wettable No. 2

Recommended for use with oil or water to control a variety of insects in the dormant stage, particularly aphids on Apples and spider on Citrus. Use 1¼ to 2 lbs. to 100 gals. of water. 1-lb. pkg., 65c.

DRY LIME-SULPHUR

For dormant spray use 12 to 15 lbs. to each 50 gals. of water. 1-lb. can, 55c; 5-lb. can, \$2.25; 25-lb. drum, \$6.50.

END-O-PEST

Easy to use End-o-Pest. It comes in an efficient exclusive dust gun package. Just a few quick strokes produces a thin cloud of dust,

	Retail	Dealers Price
10 oz. applicator gun,	\$0.79	24 to case, \$12.72
10 oz., refill cartridges,	.59	24 to case, 9.48
4 oz. sifter top pkg.,	.25	24 to case, 3.34
2-lb. pouring spout		
pkg.	1.79	12 to case, 15.04

"EVER GREEN" GARDEN SPRAY

"Ever Green" garden spray is one of the most powerful general garden insecticides. It kills many of the common varieties of both chewing and sucking insects. A Pyrethrum spray for aphids, leaf rollers, leaf hoppers, midges, tarnished bugs, white fly.

	Dealers Price
1 oz.	\$0.35
Doz.	\$ 2.80
6 ozs.	1.15
Doz.	9.25
Pint	3.00
Doz.	20.90
Quart	4.10
Doz.	36.00

FERMATE—Fungicide

This new fungicide which has been thoroughly tested gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on Roses, leaf spot on Chrysanthemums, Snapdragon rust, anthracnose of Tomatoes and brown rot of Cherries. Recommended for use against all fungi and mildews. ½-lb. pkg., 75c; doz., \$6.00; 3-lb. pkg., \$2.50; case of 12 3-lb. pkgs., \$2.25 per pkg.

FISH OIL SOAP

For use as a spreader in using spray materials. Also as a wash on various plants for cleansing foliage. With nicotine sprays use 3 to 5 lbs. to 50 gals. of water. ½ pt., 50c; pt., 90c; qt., \$1.60; 25-lb. pail, \$7.00.

INSECTICIDES AND FUNGICIDES—Continued

FLY AND MOSQUITO SPRAY DDT, Hammond's

Close all doors and windows. Spray freely toward the ceiling until the room is foggy with spray. Keep room closed 10 minutes. **ROACHES, ANTS, WATER BUGS:** Spray freely wherever these insects are found. Qt., 75c; gal., \$2.50.

FORMACIDE FORMALDEHYDE DUST

For the control of damping off seedlings. Also a disinfectant against soil diseases.

5 lbs.\$2.50

FLOWERS OF SULPHUR

A powder used to check mildew, dry rot and other fungous disease. 5 lbs., 50c; 10 lbs., 90c; 50-lb. bag, \$3.50.

GRAFTING WAX

Grafting is done between January and April, according to locality. Use smooth, straight scion wood of one season's growth. When scions are set, wax thoroughly. This wax may be used by placing in warm water until soft enough to work. 1/4 lb., 35c; 1/2 lb., 60c; lb., 90c.

GRAPE AND ROSE DUST (Hammond's)

Basically a microfine sulphur compound useful to control blights, powdery mildew and black spot. 1 lb., 35c; 5 lbs., \$1.25.

GRASSELLI SPREADER-STICKER

Effective and economical wetter, spreader and sticker. We recommend its use with all sprays for greater efficiency.

Pint cans (1 lb.)\$1.15

Gal. cans (8 lbs.) 7.50

HAMMOND'S "75" DUST

As a general purpose dust No. 75 Stabilized Rotenone (contains 3/4% Rotenone) has proven a valuable aid to commercial growers and gardeners. Its highly toxic, non-poisonous ingredients are thoroughly dispersed and inter-mixed to give a perfectly uniform material. Kills by both contact and stomach action. Lb., 45c; 5 lbs., \$1.75.

IRON SULPHATE (Copperas also Ferrous Sulphate)

Useful for developing and maintaining rich dark green foliage on Azaleas. Dissolve 4 ozs. in 5 gals. of water. Spray every two weeks, washing off foliage immediately after spraying. 5 lbs. 50c; 10 lbs., 85c; 100 lbs., \$3.75.

LINDANE—25% Wettable

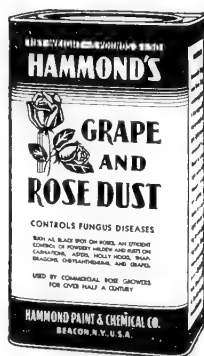
For Livestock Barns and Other Buildings. As a residual spray for control of flies, roaches, ants and mosquitoes, use at the rate of 10 pounds in 100 gallons of water. Apply to walls, ceilings, beams, window sills and other surfaces where flies come to rest. 1-lb. pkg., \$3.50.

MARLATE 50

MARLATE 50 is effective in the control of Mexican Bean beetle, Asparagus beetle, Cucumber beetles, flea beetles, Japanese beetle, leaf hoppers on Beans, Cabbage worms and Melon worms. As a spray for the control of the above insects use 2 to 3 lbs. of MARLATE 50 per 100 gals. of water. 4-lb. pkg., \$3.25; case of 12 4-lb. pkgs., \$36.00.

MIKE SULPHUR FOR DUSTING—DOW

An improved dusting sulphur for garden use. Controls mildew, leaf spot, black spot and rust. Also effective on red spider on evergreens. Particularly effective on Roses. 10-lb. bag, \$1.50; case of 6 10-lb. bags, \$7.20.



MIKE SULPHUR—Wettable DOW

More than 15 times finer than 325-mesh sulphur. Wets instantly and is the preferred wettable sulphur because of its fineness. Lb., 30c; 4-lb. bag, 65c; case of 12 4-lb. bags, \$6.00.

MOLE NOTS

Life saver for lawns and seed beds. Trial size, 8 nots, 35c; display carton of 12 pkgs., \$2.80.

MOUSE-NOTS

Mouse-Nots are conveniently packaged and easy to use. Just place Mouse-Nots in attics, cupboards or wherever mice are in evidence. Excellent too for leaving around in beach cottages, cabins, summer homes, etc., that are closed over the winter season. Pkg., 25c. Dealer's price, \$2.00 per doz.

RAT-NOTS

The household or 25c size of Rat-Nots contains nine individual "Nots," usually sufficient to exterminate nine rats. Pkg., 25c. Dealer's price, \$2.00 per doz.

MOLITES RODENT KILLER

Molites are the new, improved "gas" type rodent destroyer—offering a more effective method of controlling moles, rats, gophers, field mice and other underground pests. Packed 3 dozen to a carton, each 15c; doz., \$1.50. Dealer's price, case of 12 doz., \$12.00.

NAPHTHALENE FLAKES

Many growers spread these under benches to repel thrips, red spider and other pests. 1-lb. box, 30c.

NICO-FUME LIQUID

For spraying and fumigating under glass. 2-lb. tin, \$3.45; 8-lb. tin, \$11.95; 40-lb. drum, \$51.60.

NICO-FUME POWDER PRESSURE FUMIGATOR

Insures better distribution of fumes and the most popular method of nicotine fumigation. 1/2-lb. cans, each 50c; 12 cans, \$4.60. 1-lb. cans, each 75c; 12 cans, \$7.95.

NNOR

Rotenone combined with special diluents which in themselves are effective insecticides. Gives high kill when used as a general greenhouse spray for red spider, (in young, adult and egg), green aphid, leaf tiers, leaf hopper, mealy bugs. Gal., \$10.00; 5-gal. pail, \$45.00.

OPTOX (Formerly called Hitox)

A Pyrethrum-Rotenone spray. Optox is a contact insecticide as well as a stomach poison and may be used for the control of the chewing and sucking insects: aphid (plant lice), leaf hopper, thrips, white fly, leaf rollers, red spider, mildew and mealy bug. 1-pt. can, \$2.00; 1-qt. can, each \$3.70; 1-gal. can, each \$12.00.

PENTACHLOROPHENOL—DOW Wood Preservative

Particularly designed for treatment of fence posts and other woods to which paint will not be applied. 5-gals., \$9.50.

INSECTICIDES AND FUNGICIDES—Continued

THE MODERN
SCIENTIFIC WAY
WITH

LETHALAIRE

Reg. U. S. Pat.-Off.



Applying Lethalaire in the Greenhouse, Showing Applicator and Protective Equipment. A Rubber Hood is Recommended for the More Toxic Formulations.

LETHALAIRE AEROSOLS

The ideal way to control insects. Fast, efficient and economical. Four seconds treating time to 1000 cubic feet.

PARATHION BOMBS

Lethalaire G-54 10% Parathion

Contains Thiophos "3422" Brand of Parathion. Controls a large number of pests. Leafrollers, moths, rootworms, cockroach, white fly, mealy bugs, thrip, red spider, sowbugs, and aphids. Apply only with gas mask protection. Will treat 200,000 cubic feet. **Case of 6 Parathion Bombs (\$8.00 each) \$48.00; Single Parathion Bomb, \$8.00. Deposit on cylinders, each \$3.75.**

LETHALAIRE G-57 BOMBS

Contains Tetraethyl-dithio-pyrophosphate. Controls red spider, aphids, certain mealy bugs, white flies. Recommended for use on resistant strains of red spider. May be used where sulphur is present. Very safe on most plants. Will treat 200,000 cubic feet. Apply only with gas mask protection. **Case of 6 G-57 Bombs (\$8.00 each) \$48.00; Single G-57 Bomb, \$8.00. Deposit on cylinders, each \$3.75.**



TEPP BOMBS—Lethalaire G-52 5% Tepp

Contains T.E.P.P. technical Tetraethylpyrophosphate. Apply only with gas mask protection. Will treat 400,000 cubic feet. Controls red spider, aphids and some mealy bugs. **Case of 6 Tepp Bombs (\$6.50 each) \$39.00; Single Tepp Bomb, \$7.50. Deposit on cylinders, each \$3.75.**

LETHALAIRE SUPPLIES

GAS MASKS—with GMC-1 Canister\$11.95
Extra Canisters 3.25
RUBBER GLOVES, pair 1.35
RUBBER HOODS, each 7.50
Applicators for the above with carrying sack. Set to treat 1000 cubic feet in 4 seconds. **Lethalaire Applicators No. 30 (36-in.)**, each \$6.50; **Lethalaire Applicators No. 40 (48-in.)** each \$7.00. (Carrying sack included on above).

PARATHION (DOW'S) 15% Wettable Powder

Dow Parathion-15%-wetable may be used on Apples for the control of mites, red banded leaf roller, mealy bugs and woolly aphid, also for the control of mealy bugs, aphids, leaf tiers and mites on nursery stock and ornamental shrubs. Use at the rate of 1/2 to 1 1/2 lbs. per 100 gals. of water. **1-lb. pkg., \$1.25.**

INSECTICIDES AND FUNGICIDES—Continued

PARADOW—Pure Paradichlorobenzene

Kills Peach tree borers. Best applied in fall but may be used in spring. Also useful to control slugs.

1 lb.	\$0.45
5 lbs.	1.65
25 lbs.	5.50

PARA-SCALECIDE

Para-Scalecide is a combination of Paradichlorobenzene and Scalecide, which makes a liquid application for Peach borers that is safe and effective on young or old Peach trees. Para-Scalecide is diluted 1 gallon to 7 gallons of water and poured against the base of the trees 4 to 6 inches above the ground in the fall or spring. It requires approximately $\frac{1}{2}$ pint for 1- to 2-year-old trees, 1 pint for 3-year-old trees. Qt., \$1.45 gal., \$3.25.

PARZATE

DuPont fungicide for control of certain plant diseases. 3 lb. bag, \$3.00.

PLANA-THION

25% Parathion water miscible spray concentrate. 1 pt., \$1.60; gal., \$11.60.

PLANETARY SPREADER

Planetary Spreader is an effective spreading agent in both hard and soft water. Use 4 ozs. to 100 gals. of water. Qt. \$1.25; gal., \$4.50.

POTASSIUM PERMANGANATE

Used for dipping cuttings. $\frac{1}{4}$ lb., 50c; 1 lb., \$1.25.

RED ARROW GARDEN SPRAY

(Pyrethrum-Roteneone.) Kills many varieties of both sucking and chewing insects on vegetables, flowers, fruits. 1 oz., 35c; 4 ozs., \$1.00; pt., \$2.85; qt., \$3.70.

SCALECIDE

Spray every fruit tree, shade tree, shrub and vine that drops its foliage in winter with Scalecide, 6 gallons to 100 gallons of water (1 to 15.) Spray any time after the foliage is off in the fall or before the buds show in the spring, provided the temperature is warmer than 40 degrees. Qt., \$1.15; gal., \$2.75; 5 gals., \$9.30.

SELOCIDE

Kills red spider. SELOCIDE kills from 90 to 100 per cent of red spider (*Tetranychus Telarius* L.) in just one application. Selocide also kills the eggs and it does not harm tender plants when properly used. Gal., \$3.00; 5 gals., \$13.50.

SLUG SHOT (Hammond's)

An old favorite dust, effective against leaf eating insects and disease. Lb., 40c; 5 lbs., \$1.65.

SNAROL

Snarol—an attractive bait meal—will quickly rid your garden of cutworms, snails, slugs, sowbugs, earwigs and grasshoppers. Snarol is a ready prepared meal that you simply broadcast about plants and shrubs after you sprinkle them in the evening. Lb., 35c; 6 lbs., \$1.50; 10 lbs., \$2.25.

SODIUM SELENATE

Applied to the soil it is taken up by the plant tissues and kills the insects that may feed on treated plant. Especially effective for red spider on Snaps, Carnations and Mums, leaf nematodes and many other insects. Care must be exercised in the use of this material as it can cause plant injury and also soil and plants so treated are poisonous. 1-lb. bottle, \$4.00.



SULPHURON

DuPont Wettable Microfine Sulphur. 6 lb., bag, 85c; case of 8 6-lb. bags, \$6.00.

TARTAR EMETIC

For thrip, on Glads and Onions. Use 2 ozs. with 8 ozs. brown sugar to 3 gals. of water or 4 lbs. with 16 lbs. brown sugar to 100 gals. water. Lb., 80c; 5 lbs., 75c per lb.; 25-lb. drum, 70c per lb.

TERRO ANT KILLER

A syrup to be placed on chips of wood or cardboard. Ants will be quite active for some time eating Terro. Price 25c.

TOBACCO DUST

A fine powered Tobacco. Used principally as a ground covering in greenhouses to repel insects. 100 lbs., \$4.50.

TREE WOUND PAINT

Prevents decay after pruning. This penetrating, antiseptic paint is not affected by heat. Qt., 60c; gal., \$1.95.

TREE TANGLEFOOT (Caterpillar Paste)

A sticky substance spread around the bark of trees to prevent creeping insects from climbing up the tree. Lb., \$1.00; 5 lbs., \$4.75.

TRI-GEN

For Aphis, Mildew, and Black Spot on Roses

All-purpose spray that gives positive plant protection. Kills all insects (chewing and sucking), controls mildew and black spot.

E Kit (Makes 10 qts.)	\$1.35
A Small Kit (makes 16 qts.) Protects 12 to 20 Roses for season	2.25
B Medium Kit (Makes 64 qts.) Protects 50 to 80 Roses for season	6.00
C Large Kit (makes 32 gals.) Protects 100 to 160 Roses for season	9.00
D Estate Kit (makes 128 gals.) Protects 400 to 600 Roses for season	30.00

VAPOTONE

Contains tetraethyl phosphates. The new organic insecticide that has been giving such spectacular results against red spider and aphids on Roses, Carnations, Gardenias, Mums, etc.

4 ozs.	\$0.85	Case of 24	\$13.60
Pint	2.50	Case of 12	20.00
Gallon			11.90

VOLCK, NURSERY

The scientific insecticide for nursery, greenhouse and garden. Controls scale insects. An oil spray used against mealy bugs, scale insects, red spider and white fly.

4 ozs.	\$0.35	Case of 24	\$5.60
Pint .....	.70	Case of 12	5.60
Gallon			2.85
5 gallons			8.50

ZERLATE

A newly developed fungicide possessing excellent adhesive properties on plants due to its resistance to washing off by rains and removal by other weathering factors. Although specific directions have not been furnished by DuPont as to its use on greenhouse crops, it has been used principally the same as Fermate. 3-lb. pkg., \$2.50; case of 12 3-lb. pkgs., \$27.00.

ZINC SULPHATE

Used as a softener in arsenate sprays on foliage, such as Peach trees, susceptible to arsenical injury. 1 lb., 35c; 5 lbs., \$1.25; 25 lbs., \$5.00.

CHEMICAL WEED KILLERS

NOTE: 2,4-D Weed Killers must be used with extreme care around the greenhouse. Equipment used in spraying 2,4-D Weed Killers should not be used for spraying plants.

AMMATE WEED KILLER

Controls poison ivy and other noxious weeds. Keeps walks and roads clear with little trouble. Non-poisonous, fire retarding, clean, odorless, effective. 3/4-lb. diluted in 1 gal. of water will treat 100 sq. ft.

6 lbs. \$ 2.00
50 lbs. 12.00

END-O-WEED

Available in sizes from half pint to gallon and in packs for small area spraying. 8 ounces of End-o-Weed treats 2000 sq. ft. of lawn. Kills dandelions, chickweed, plantain and 100 other lawn weeds.

Dealer Cost
50-lb. drums 46c per lb.
1/2 pint (24 to case) 98c pint \$14.16 case
1 quart (12 to case) \$2.69 quart 19.44 case

DOW ESTERON WEED KILLER Formula 44

Esteron 44 is a powerful 2,4-D weed killing formulation especially effective against many woody plants and certain hard-to-kill herbaceous weeds. Such plants as alder, aspen, birch, box elder, brush, cherokee rose, chokecherry, poison ivy, poison oak, poison sumac, wild Cherry, wild Grape, Canada thistle, field bindweed, goldenrod, Russian knapweed and many others. Use at the rate of 1 qt. of Esteron 44 in 100 gals. of water. 1-gal. can, \$6.00.

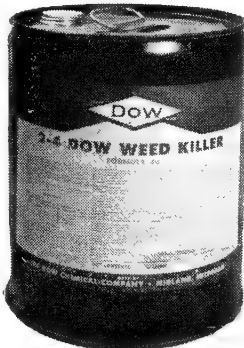
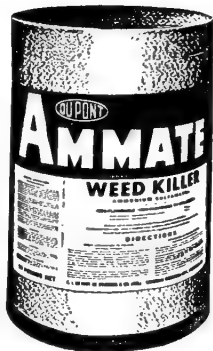
DOW SODIUM TCA 90% WEED KILLER

Dow Sodium TCA 90% offers a practical means of controlling noxious perennial grasses. This new Dow weedkiller will kill Johnson grass, Bermuda grass, quack grass and other perennial grasses. A convenient dilution range is 1 pound in 1 to 2 gallons of water. If 100 pounds of Sodium TCA is required per acre, 100 to 200 gallons of water is suggested for proper application.

10-lb. cans 60c per lb.
50-lb. drums 46c per lb.
100-lb. drums 45c per lb.

DOW ESTERON 245

Recommended for use in controlling herbaceous and woody plants resistant to 2,4-D. Quart, \$4.50; Gal., \$14.50.



2-4 DOW WEED KILLER Formula 40

High in acid content and economical to use. It is ideal for low volume application. One pint treats 1 acre of small grains and grass seed crops; 2/3 pint treats 1 acre of Corn, Flax and Sorghum; 2 to 3 pints treat 1 acre of mowed turf such as a golf course; 2 teaspoonfuls make 1 gallon of spray which covers 250 square feet.

5-gal. drums gal. \$5.30
1-gal. cans (4 per case) gal. 5.50

2-4 DOW WEED KILLER Powder Form

Contains the equivalent of 95% 2,4-D salt. 3/4 lb. will treat 1 acre small grains. 1/2 lb. will treat 1 acre of corn, 1 1/2 to 2 pounds per acre is recommended for weed control in turf. 2 level teaspoons will make 1 gallon of spray to cover 250 square feet..

10 lb. drums \$ 8.50
50 lb. drums 35.00

HAMMOND'S WEED KILLER

Weeds, poison ivy and all vegetation are easily killed with this highly concentrated (stands dilution with 40 parts of water), easy-to-use material. Simply mix with water, apply with sprinkling can and all vegetation withers and dies. Do not use on lawns as it kills ALL vegetation. Qt., 70c; gal., \$2.00; 5 gals., \$8.00.

WEEDONE CRAB GRASS KILLER

Contains 55% Potassium Cyanate for control of crab grass and chickweed. 5 ozs., \$1.00; 20 ozs., \$3.00.

P. C. 80 CRAB GRASS KILLER

Contains 80% Potassium Cyanate plus a speical wetting agent. Not toxic to the soil and easy to use. 5 ozs., \$1.00; 1 lb., \$2.75; 6 lbs., \$10.50.

ZOTOX

Kills crab grass without permanent injury to lawn.

Size	Packed Per Case	Shipping Weight	Retail Each	Dealer Cost
				Per Case
8 ozs.	12	12 lbs.	\$ 1.00	\$ 7.20
16 ozs.	12	24 lbs.	1.50	10.80
32 ozs.	6	20 lbs.	2.50	9.00
5 lbs.	2	16 lbs.	4.50	5.40
30 lbs.	1	65 lbs.	22.50	13.50

DOBBINS POWER SPRAYERS

No. 4260R POWER SPRAYER. Shipping weight 360 lbs.

PUMP: No. 3197, 3 GPM, double cylinder, 300 lbs. maximum pressure, adjustable relief valve, pressure gauge.

POWER: 1 1/2 h. p. Briggs and Stratton engine.

TANK: 50 gallons, heavy steel, securely welded; rust-proof on inside.

DISCHARGE EQUIPMENT: 25 ft. of 1/2 in. high pressure, oil resistant synthetic hose.

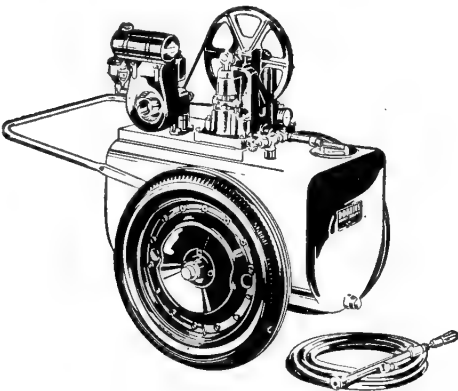
OVER-ALL LENGTH: 48 in.; **OVER-ALL WIDTH:** 35 in.; **OVER-ALL HEIGHT:** 45 in. **Price:** \$358.50.

No. 4240R POWER SPRAYER. 1 h. p. engine; height 41 1/2 in.; width 24 in.; weight 180 lbs.

PUMP CAPACITY: 1 1/2 GPM at 250 lbs. maximum pressure.

TANK: 25 gallons. Heavy, welded steel, rust proofed.

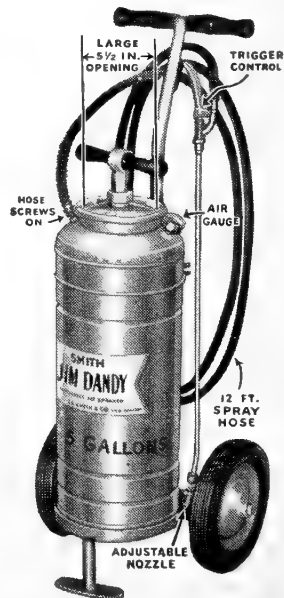
DISCHARGE EQUIPMENT: 12 1/2 ft. of 3/8-in. high pressure, oil-resistant synthetic hose. **Price:** \$215.50.



4260R

SMITH JIM DANDY CART SPRAYER

For all kinds of spraying. Weed-killer, etc. Tank capacity 5 gal. 21 in. high, 8 3/8-in. diameter. Has air pressure gauge. Hose 12 ft. 3/8-in. best grade. 2 ft. heavy brass extension. Automatic adjustable nozzle. Balloon tired wheels on roller bearings. Shipping weight 34 lbs. **Price:** \$32.50.

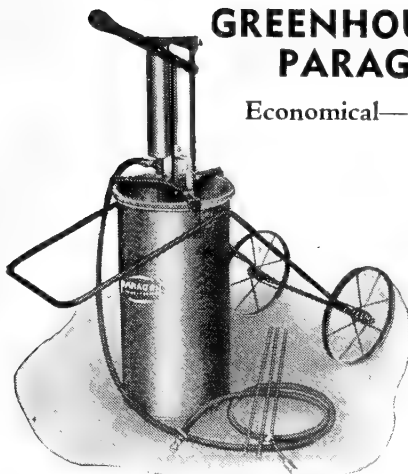


SPRAYERS AND SUPPLIES

Prices subject to change without notice.

GREENHOUSE SPRAYER PARAGON No. 3

Economical—Durable—Efficient



Capacity: 12 gallons.
Truck: Two wheel; or, if you prefer, one-wheel.
Equipment: 10 ft. special spray hose, 7½ ft. spray pipe in three sections, 1 steel spray nozzle. Complete as illustrated. \$32.95.
No. 3PA. Same as above with pressure tank. \$49.95.

No. 3GM. Power sprayer complete with gasoline engine or electric motor with pneumatic tired wheels, rubber tired swivel wheel and spray boom. 275 lbs. Price \$245.00.

Smith Speedex Sprayer

All-purpose sprayer. No tank necessary—just drop hose in bucket of spray material and pump. Spray adjustable to fine mist or 35-foot stream. For spraying with insecticides, whitewashing or fighting fires. Heavy gauge brass. Each \$10.25.



Smith Speedex Sprayer

BLIZZARD SPRAYERS

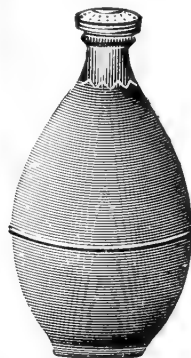
The finest and most attractive sprayer ever made. Has brass twin nozzle; seamless brass pump; highly polished copper tank.

1 qt. Blizzard, all brass\$3.50



Scollay's Florists' Sprinkler

None better for floral work. Beware of cheap imitations. Made of best quality of rubber and will outwear any other sprinkler on the market. Price, \$1.50.



Smith Bronx Sprayer

Unexcelled for spraying plants in the home. Sprayer made entirely of brass, nickel-plated. Sprayer screws to glass bottle. Easy pump stroke up and down. Bronx Bottle Sprayer, qt. size, \$1.95.



No. 335G Hudson Climax

An excellent sprayer for all-around general use. 3½ gallons. Our most popular sprayer. Shipping weight 10 lbs. Each \$9.80.

No. 341G Hudson Jr.

Hudson Climax Junior provides all of the features of the Climax, but in 2½ gallon size. Lighter and smaller, it is generally more readily handled. Each \$9.80.

HUDSON 1 qt. tin sprayer 75c.

Hudson Spray Nozzles

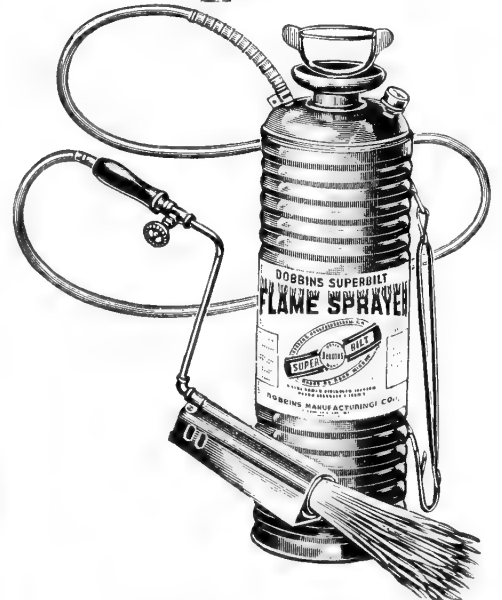
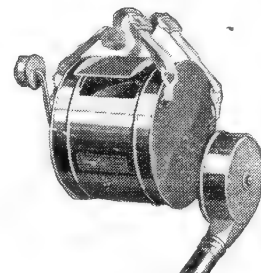
No. 166 STRAIGHT FOG NOZZLE. Each\$0.65
No. 168 ANGLE FOG NOZZLE. Each65
No. 149 SHUT-OFF COCK. Each 1.25
No. 75 MALE HOSE COUPLING. Each.40
No. 73 FEMALE HOSE COUPLING. Each40

SPRAY NOZZLES

For compressed air sprayers.
No. 176 PERFECTION SHUT-OFF. With nozzle. Each \$2.25.
No. 161 PERFECTION SHUT-OFF. Nozzle; 2 ft. hose; 2 ft. extension. Each \$3.50.

Rigid Challenge DUST GUN

Holds 7½ pounds of dust. Easily carried by strap over shoulder. Operates by crank handle. Powerful fan expels dust in efficient cloud. Price: \$23.00.



Dobbins No. 210 Flame Sprayers

Weed burner. 4 gal. Price \$22.00.

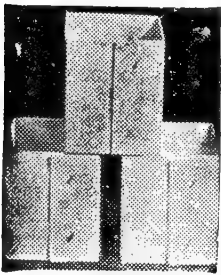
SUPPLIES FOR THE GROWER
PLANT BANDS

All F.O.B.
St. Louis

All F.O.B.
St. Louis

Grow All Your Plants, Seeds, and Cuttings
This Modern Way

This modern method of culture saves time and labor, and assures the highest yield in cut flowers, potted plants, perennials.



STAPLED WOOD PLANT BANDS

If in the market for 50,000 or over, write for special price.

Sturdy plant bands made of cottonwood, securely fastened with two wire staples for quick setup.

All bands are packed 1000 to a case except 4x4x4-inch which are packed 500 to a case.

Size in inches	Weight per 1000	Per 1000
1 3/4 x 1 3/4 x 2 1/2	28 lbs.	\$4.20
2 x 2 x 2	30 lbs.	4.20
2 x 2 x 2 1/2	32 lbs.	4.30
2 x 2 x 3	32 lbs.	4.50
2 1/4 x 2 1/4 x 2 1/2	28 lbs.	4.60
2 1/2 x 2 1/2 x 2 1/2	38 lbs.	4.60
2 1/2 x 2 1/2 x 3	38 lbs.	4.70
3 x 3 x 3	45 lbs.	5.10
3 x 3 x 4	70 lbs.	5.40
4 x 4 x 3	90 lbs.	5.40
4 x 4 x 4	90 lbs.	6.20

PLANT TUBS—RICHMOND STYLE

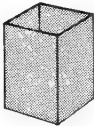
These are made of finest fir lumber, securely bound with welded wire hoops.

No.	Inside top Diameter	Depth Inside	Price Each
No. 3—	8 in.	8 in.	\$1.35
No. 4—	9 in.	8 in.	1.40
No. 5—	10 in.	9 in.	1.70
No. 7—	12 in.	12 in.	1.90
No. 9—	14 in.	14 in.	2.95
No. 11—	16 in.	15 in.	3.85

BIRD'S VITA BANDS



VITA-BAND
40



For all-around use, especially growing periods up to 40 weeks.

VITA-BAND
10



BIRD'S PAPER POTS

Red Pots for Shipping. Your plants will arrive in good condition and protect your reputation for shipping sturdy, healthy plants. They save packing time. Shipped to you set up and ready to use, these pots make shipping a simple one-step operation.

VITA-POTS. Grow and ship in the same pot—saves labor and leaves root ball undisturbed. Nutrient treatment, so successful in Vita-Bands, has now been applied to this sturdy resinous pot. Reduces watering.

Sold in Units of 1000 Only

Size	Red Pots	Vita-Pots
2 1/4 inch (1000 per carton)	\$ 8.60	\$14.30
2 1/2 inch (1000 per carton)	8.70	14.85
3 inch (1000 per carton)	9.15	16.40
3 1/2 inch (1000 per carton)	12.20	21.60
4 inch (500 per carton)	14.70	24.35
5 inch (500 per carton)	18.15	31.85
6 inch (500 per carton)	22.25	41.70

Discounts: 50,000—5%

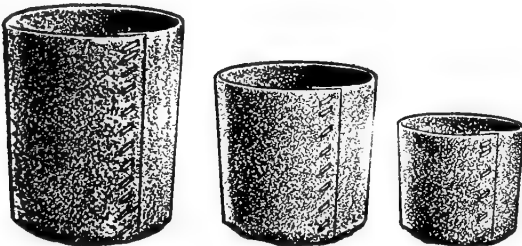
The low-cost, nutrient-treated band for growing periods up to 10 weeks.

Sold in Units of 1000 only PRICES PER THOUSAND—SIZES IN INCHES

	1 1/2 x 1 1/2 x 2 1/2	1 3/4 x 1 3/4 x 2 1/2	2 x 2 x 2 1/2	2 x 2 x 3	2 1/2 x 2 1/2 x 3	3 x 3 x 3	4 x 4 x 3	4 x 4 x 4
VITA-BAND 40	—	5.95	6.60	7.35	8.85	10.30	—	—
VITA-BAND 10	3.40	3.90	4.40	4.90	5.85	6.75	8.85	11.15

Quantity Discount: 50,000—5%; 100,000—10%

"CLOVERSET" POTS FOR PLANTS



Made of tough waterproof fiber fabric asphalt coated, similar to roofing.

Packed 100 to a carton—we do not break cartons. Standard Heavy Weight Pots

Weight Per 100	Top Diam.	Per 100	Per 1000
35 lbs.	5 in.—No. 0	\$3.80	\$34.50
52 lbs.	6 in.—No. 1	5.10	48.50
77 lbs.	7 in.—No. 2	5.90	56.50

Bird Tom Thumb Flats

Made of heavy waterproof fiber resinous material. Use with Vita-Bands. The most economical way to sell potted annuals in dozen lots.

PRINTING: Bring customers back to you for repeat business by using Tom Thumb flats, imprinted with your name and address on 4 sides for only \$3.00 extra per thousand. Choice of orange, yellow or light green imprinting. Specify which. Printed flats must be shipped from East Walpole, Miss.

No. 1 for 1 doz. 1 3/4-in. Bands.
No. 2 for 1 doz. 2-in. Bands.

TOM THUMB FLATS Per 1000		Combination 1000 Flats 12,000 Vita-Band 40 Per 1000 Sets		Combination 1000 Flats 12,000 Vita-Band 10 Per 1000 Sets	
Size No. 1	Size No. 2	Size No. 1	Size No. 2	Size No. 1	Size No. 2
\$35.80	\$39.85	\$97.50	\$107.80	\$74.25	\$81.85

SUPPLIES FOR THE GROWER

APRONS—Plastic

Soft and light, yet durable. A new plastic material that is three times thicker than the average. 42 inches long. Each \$2.75.

APRONS—Greenhouse

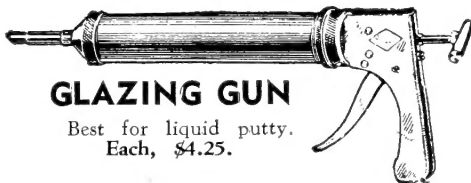
RUBBER: Medium heavy, soft and pliable, yet tough and durable. 45 inches long. Each \$3.25.

Bamboo Cane Stakes

Bamboo	Contents	Price
Dyed Green	Per Bale	Per Bale
1½ ft.	1000	\$ 5.25
2 ft.	1000	7.25
2½ ft.	1000	8.50
3 ft.	1000	10.50
3½ ft.	1000	11.50
4 ft.	1000	13.75
5 ft.	1000	16.00

Galvanized Wire Brads

Easy to drive and made so they will not wedge or crack the glass in driving. The head gives a good surface and makes it very easy to drive with a chisel. ⅝ inch—1 lb. packages, 1600 points, 45c.



GLAZING GUN

Best for liquid putty.
Each, \$4.25.

GLAZING PUTTY

Gun Grade. A superior grade which will not dry out or crumble. Seals tight, remains soft and pliable. Gal., \$2.90; 5-gal. can, \$13.75.

GLASS CUTTERS

Fletcher's Bronze Bearing, 35c each;
doz., \$3.50.

Glazing Chisel

For applying glazing brads. Each \$2.50.

Putty Bulb — "Scolloy"

For glazing or putty bulbing with liquid putty. Each \$1.45.

HOTKAPS

HOTKAPS—patented paper hothouse—completely protects plants from destructive frosts, storms, insects. Maintain perfect mulch. 1000 to carton. Per 1000, \$15.50. Steel Hotkap Setter. Each\$1.95
Fibreboard Settereach 25c

LABELS

POT LABELS—	Packed in	Prices per 1000
WOOD	Cartons	Plain Painted
4x⅝ inches	1000	\$2.75 \$3.30
5x⅝ inches	1000	3.00 3.60
6x⅝ inches	1000	3.30 4.05
8x⅝ inches	500	4.80 6.00
10x⅝ inches	500	5.80 7.10

GARDEN STAKES	Packed in	Price per Carton
	Cartons	Plain Painted
8x⅝ inches	250	\$2.00 \$2.25
10x⅝ inches	250	2.25 2.50
12x½ inches	100	1.60 1.85

LABELS, TREE—	Prices Per 1000
Copper Wired	Plain Painted
3½ inches long, ⅝ inches wide	\$3.30 \$4.10

WEATHERPROOF PENCILS

For marking labels. Will not rub off or fade. Each 10c; doz., \$1.00.

LAWN SPRINKLERS

RAIN KING SPRINKLER

Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11¼ in. tall; 9¼ in. from nozzle to nozzle. Model H, \$5.50; Model D, \$4.75.

GARDEN HOSE

GOODYEAR —EMERALD CORD

Moulded Construction—Best Quality
Rubber tube; green rubber cover; two ply double-double fabric; guaranteed to stand any water pressure up to 200 lbs. ¾ in., per 50 ft. length, \$15.85.

⅝ Inch Goodyear Green Elm

Good quality rubber tube; green cover; guaranteed to stand any water pressure up to 60 lbs. ½ in., per 50 ft., \$8.50.

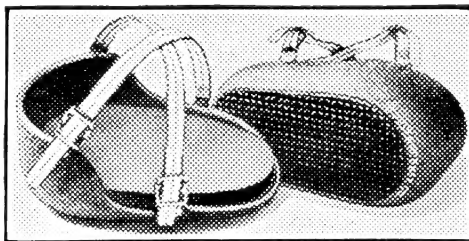
PLASTIC GOODYEAR VINYL

The finest quality plastic hose we have found yet. Tough, yet pliable. Full-flow "pull proof" couplings of heavy brass. High bursting pressure, long life. Green color, ½ in. garden hose, per 50 foot length, \$7.75.

BOSTON HOSE NOZZLE

Can be adjusted from fine spray to stream. Price, 95c each.

KNEE PADS



A practical, serviceable, comfort-giving knee cushion. Per pair, \$1.75.

PANSY BASKETS

One-quart, two-quart or three-quart size. 1-qt. size, \$3.25 per 100; 500 for \$14.50; 1000 for \$28.00. 2-qt. size, 1000 for \$31.00.

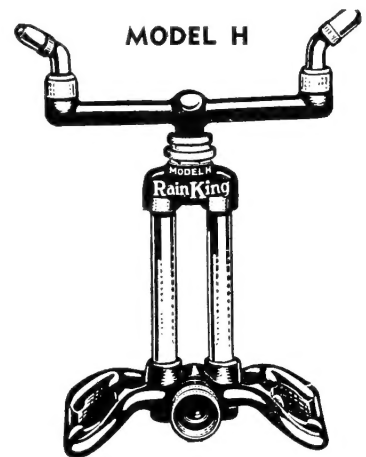
PEARL CHIPS

Pearl Chips, White. For growing bulbs in bowls. 10 lbs., 65c; \$4.50 per 100 lbs.

Pearl Chips, Colored. 10 lbs., 75c; \$5.50 per 100 lbs.

RAFFIA

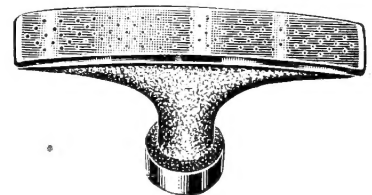
Natural, best grade. 1 lb., 60c; 10 lbs., \$5.50.



MODEL H

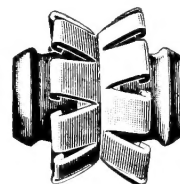
Flat Spray Sprinkler No. 82

Cast brass. Each95c



Ross Spray Heads

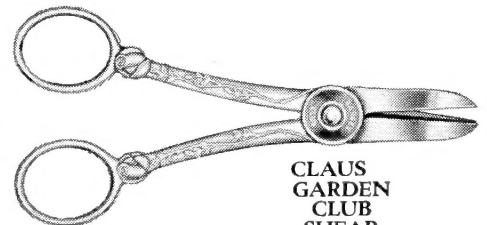
ROSS GARDEN ATOMIZER No. 15
Fine screen nozzle\$1.40
ROUND NOZZLE SPRAY No. 14
.....50c



CLINCHER HOSE MENDERS
½ in., ⅝ in., ¾ in.
Each 15c; doz., \$1.75.

CLINCHER HOSE COUPLINGS
½ in., ⅝ in., ¾ in.
Each 30c; doz., \$3.50.

PRUNING SHEARS



CLAUS GARDEN CLUB SHEAR

A perfect flower and holding shear—snips and grips in one easy scissors cut, without damaging the stem. 6½ inches long. Fine polish, nickel plated. \$2.75.

Snap Cut Pruner

No. 119 Seymour Smith Snap Cut, heavy duty, nickel plated. 8 inches long. Finest steel, \$2.35.

No. 124 Seymour Smith Pruner

Made of the finest steel, polished. 8 inches long for trimming shrubs and trees. \$3.25.

Imported German Pruning Shears

Highest quality carbon steel. Each \$4.50.

SUPPLIES FOR THE GROWER



RIDGID GOGGLES

Protects eyes while dusting. \$1.85.

PLUMOSAN RESPIRATORS

No. R-110. For protection against dust\$2.15

R-V-LITE VITAPANE STORM DOORS and WINDOWS

R-V-LITE can be used wherever glass is used. It is BETTER than glass for many purposes. R-V-LITE is flexible, light in weight and easy to handle. You can easily cut it with a pair of scissors, yet it is tough and durable—gives lasting service. 50-ft. rolls, 36 inches wide, \$7.50; 50-yd. roll, \$22.00.

SEED SOWERS

Very popular and extensively used. The bag holds about ½ bushel of seed. It is easily operated.

Cyclone Seeders, standard\$3.75
Cyclone Seeders, heavy duty 4.50
Tin Horn Seeders, each 1.50

SHADING FOR GREENHOUSES White Shading

50-lb. bag, sufficient for 600 to 700 sq. ft., \$1.25.

SISALKRAFT

A most satisfactory and economical cover for sterilizing of soil and shading Pompons.

	Per Roll
4 ft.x166 ft.	\$11.10
5 ft.x100 ft.	8.35
6 ft.x166 ft.	16.70
7 ft.x142 ft.	16.70
13½ ft.x100 ft.	29.35

VISQUEEN FILM

Plastic film recommended by the Dow Chemical Co. for covering when using MC-2. Visqueen film has a wall thickness of .004" and is light and easy to handle.

	Per Roll
10½ ft. x 100 ft.	\$26.25
13½ ft. x 100 ft.	33.25
16 ft.x 100 ft.	40.00

SHEET MOSS

Sheet Moss green for lining hanging baskets. 5-lb. box, \$2.00.

SKINNER SYSTEM NOZZLES

Silver Stream. Famous nozzle for outdoor use.

	Each
SS SILVER STREAM	\$0.07
ST SHORT THROW .....	.12
ST 50 DEGREES .....	.12
ST 80 DEGREES .....	.12
SUPERIOR GREENHOUSE NOZZLES .....	.34
SKINNER DRILL BITS	1.65

SPHAGNUM MOSS

Florist moss, used for design work. Approx. 16-lb. bale, \$2.35.

Terra-Lite*
BRAND
VERMICULITE
PLANT AID

bag (approximately 4 cu. ft.), \$1.25; 10 bags, \$12.00.

TERRA-LITE Vermiculite

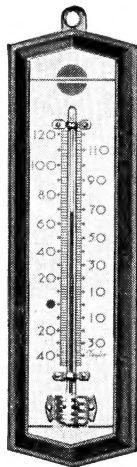
Being light and fluffy. Terra-Lite has proven ideal in potting plants. A mixture of half soil and half Terra-Lite should be used for starting seedlings. Per

TRI-SODIUM PHOSPHATE

Used for washing and cleaning out sprayers. Be sure to rinse thoroughly to avoid corrosion of the metal. Use 2 tablespoons to 1 gallon of water, or 3 lbs. to 100 gallons of water. 25 lbs., \$3.50; 50 lbs., \$4.50; 100 lbs., \$5.75.

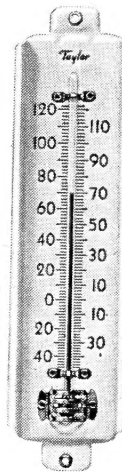
THERMOMETERS Maximum-Minimum Thermometers

No. 5448. Not only indicates present temperature, but highest and lowest temperatures since previous setting. Favorite among orchardists, operators of greenhouses and cold storage plants. Complete with magnet for resetting. Each \$10.00.



Comfortmeter Wall Thermometer

No. 5140. Magnifying lens tube with non-fading red liquid. Range suitable for outdoors. Ivory finished scale on grey finished wood back. Each 90c.



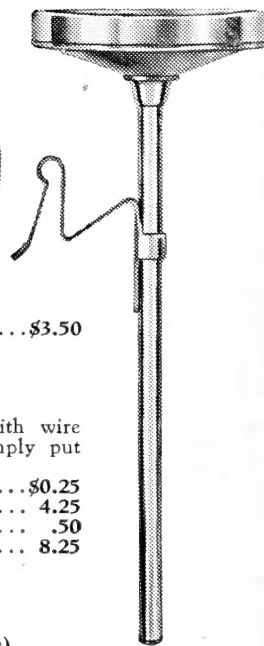
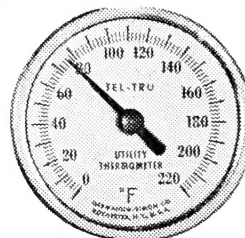
Outdoor Wall Thermometer

No. 5132. Has 7 in. vitreous enameled scale with flanged sides. Magnifying lens tube with non-fading red liquid. Each \$1.50.

SOIL THERMOMETER Tel-Tru Dial Stem

New type, highly recommended for measuring soil temperatures. Easy to read, very accurate. Very handy to use when steam sterilizing. Dial diameter, 2½". Stem length 6". 0° to 220°.

No. FC-220F. Each\$3.50



TWIST-EMS

Twist-Ems are dark green, strong tapes with wire reinforcing making that perfect plant tie. Simply put around the stem and support and twist.

Pkg. of 125 Twist-Ems (8 in.)\$0.25
Carton of 24 pkgs. Per carton 4.25
Pkg. of 125 Twist-Ems (16-in.)50
Carton of 24 pkgs. Per carton 8.25

TWINE

(For Tying Boxes, Cartons)

Binder Twine, 8-lb. ball, \$2.50; 48-lb. bale\$14.50
Sissal Twine, 2 ply; 5 lb. ball, \$2.35; 50-lb. bale 21.75

COTTON TWINE—Very Best Grade

In balls, 3 ply; 5-lb. bag\$4.45
In balls, 4 ply; 5 lb. bag4.45
In 2½-lb. cones, 3 ply and 4 ply 2.25

SEA ISLAND TWINE

Used for wrapping small packages. Also for sprays and design work. Blue, red, pink, lemon, orange, purple, red and white, blue and white, in 2-lb. cones, at \$2.45.

JUTE TOMATO TWINE

2-ply, ½-lb. balls, best grade. 35c per ball.

WATER BREAKERS

The "400" Water Breaker

No. 400. Gives a large volume of water with very little pressure. ¾ in. coupling. Each \$1.45.

FUNK'S G-HYBRID 5-STAR FEATURES:

- ★ FAST STARTING
- ★ SUPER STANDABILITY
- ★ INSECT RESISTANCE
- ★ DISEASE RESISTANCE
- ★ DROUTH RESISTANCE

All add up to
BIGGER YIELDS
of **BETTER CORN**

ORDER G-HYBRID SEED NOW!

GET YOUR NEW CORN GUIDE—IT'S FREE!



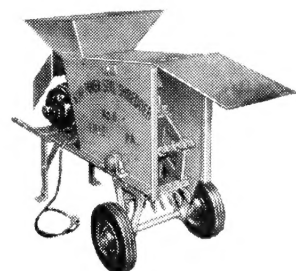
Write for price on Field Seeds, Alfalfa, Clover,
Lespedeza, Grasses, Cow Peas and Soy Beans.

KEMP POWER SOIL SHREDDERS

Prices are F.O.B. Erie, Pennsylvania.
Subject to change without notice.

- No. 6 Complete with 1/2 HP Electric Motor, 3' of cord, mounted on truck with wheels.\$160.00
- No. 6 Complete with 1 1/2 HP Gas Engine, mounted on truck with wheels.\$160.00
- No. 6 Complete with 3/4 HP Electric Motor.\$172.00
- No. 1 Complete with 1 1/2 HP Electric Motor, switch and 10' of cord, mounted on truck with wheels.\$470.00

Designed to handle heavy compost under all possible conditions. Low in price, economical to operate. Saves labor and time. Available in three sizes. The machine pictured is the No. 6. A very reasonably priced machine for the small grower. Powered with 1/2 or 3/4 H. P. electric motor that can be plugged in any socket. Will handle all that one or two men can shovel.



SEED CORN FUNK'S G-HYBRIDS

These are the Funk G-Hybrids having the proven ability to produce good corn crops under Illinois and Missouri growing conditions. Each of them was developed to perform best under specific conditions.

Funk's G-29

Our earliest hybrid, and one of the most widely used. For northern Missouri and Illinois counties across the Mississippi, it's a big, tested favorite for early feed and for late planting.

G-94 Of medium maturity in Southwestern and Southern Illinois and Eastern Missouri, Funk G-94 turns in excellent performance and top yields under widely different climate and soil conditions.

G-80 The pace-setter for them all in South Central Illinois and Eastern Missouri. It is a medium to full season in this area. Stands well, resists drouth and insects, develops fine-quality ears.

G-88 An outstanding bottom-land hybrid for Southern Illinois and Eastern Missouri. This strain was developed especially to take advantage of a longer growing season. Full, rich kernels and abundant foliage make Funk G-88 tops for feed and silage corn. Has splendid standability.

Price List Funk's G-Hybrid:
Large Flat. Bu.\$11.40
Regular Flat. Bu. 11.40

Hybrid Seed Corn

U. S. No. 13. Select, large, flat grains. Test for main crop, 110 days. Bu., \$8.00.

U. S. No. 8. For rich ground, 110 days. Bu., \$8.50.

Selected . . .

VEGETABLE SEEDS

Pages 1 to 7



Tomato, Rutgers Certified
See page 7

A. H. HUMMERT SEED CO.

2746 - 48 Chouteau Ave.

St. Louis 3, Missouri